

The general contractor shall include all necessary labor and materials for the construction of the brick chimney and brick fireplace and other brick work at the location indicated on the drawings and as herein referred to. Requirements will be as follows:

Fireplace for men's club room in the first story with brick chimney for same and boiler flues starting from basement floor and extending above roof as indicated. Chimney to be topped out in the manner shown on the drawings and prepared for cementing.

Brick backing forurinals and filling between same in men's toilet in basement.

BRICK CHILNEY:

The chimney for boiler room and men's club room is to start on proper concrete foundation at the basement floor line and shall be of the dimensions necessary to support the fire place construction in the first story and to contain the flue from the boiler, vent from hot water heater and flue from fireplace.

The basement walls of this chimney to be of thickness shown on drawings, brick paved at bottom line and supplied at point directed near floor with two 10 x 12 cast iron cleanout doors and frames, properly set, one from fire place and one from boiler flue. In the basement make provisions for a proper arching and thimble to receive the breeching of boiler at boiler flue.

In the first story this chimney is to be properly formed to receive the fireplace of the dimensions indicated on the drawings.

The fireplace to be supplied with a Clawson or equal combined hook and arch bar with damper control. This to be of the proper dimensions to bear at the side jambs of fireplace opening and to form a proper throat for the chimney opening.

Over the top of the fireplce construction, the chimney shall be offset back to form a 17 x 17" flue with 4 1/2 brick work at the back next to concrete and 9" of brickwork on three sides, one side separating same from boiler flue and hot water vent which carries through from basement of sizes shown. These flues to be extended at an angle as shown on plans, passing up thru to top of concrete coping wall where the back brick wall shall be increased to full thickness of concrete coping wall plus the original 4 1/2" of brick so that the full wall will be 12" in thickness. The remaining three sides carrying up the original 8" in thickness and forming the chimney top as indicated on the drawings.

The brick mason shall arrange for proper metal anchors to the concrete walls, one to be placed in the second story and one at the top of concrete wall. These anchors to be of such character as to rigidly tie the chimney to the concrete structure.

These flues require no lining. The fireplace flue shall be plastered its entire height with cement mortar smoothly finished.

The boiler flue shall have an inner lining 4 1/2" thick from the basement floor to the second floor line of No. 1 quality Livermore fire brick. All remaining portions to be of good hard red brick.

The fire place will have the side and back of same lined with split firebrick of the best quality with colored mortar joints as directed.

The fireplace is to be faced with cut cast stone work as hereinafter specified and any necessary anchorages for the securing of same are to be built in by the brick mason.

The hearth of fireplace is to be built up of brick and mortar as may be required for the tile hearth specified under Tiling.

The brick backing for the urinals in the men's toilet in basement and filling between same shall be built up in the manner indicated on the drawings, forming a sill at top of urinals. This sill and the vertical walls between urinals to be prepared for tile facing as specified under Tiling.

BRICK:

All brick required for the chimneys and fire place construction shall be of good, hard burned, new red brick with the exception that where fire brick is specified, it shall be of the best quality Livermore fire brick.

MORTAR:

All mortar for rough brick work shall be made up at least 6 days before using and shall be composed of the best Santa Cruz, or equal, lime, clean screened sand of sharp quality equivalent to that specified for the concrete work herein and mixed with the proper amount of water. Just before using this mortar shall have mixed with it one part cement to five parts of lime mortar. The cement shall be of the quality specified in the Concrete department.

All joints of brick work are to be carefully struck and pointed. All brick to be well wet before being laid and all joints must be flushed up solid. All brick work to be laid in running bond with headers at every seventh course and all parts very carefully bonded.

Fire brick herein specified for linings to be laid in the best quality fire clay in a careful workmanlike manner. Split fire brick for fire place linings to be laid in colored mortar with all joints carefully pointed.

BRICK STEPS, ETC:

In addition to other brick work herein the contractor will include the brick steps and platforms at front entrance.

One main flight of brick steps dividing into three sections above first landing and landing at vestibule will be required.

All brick steps shall be of form indicated on the drawings and will have the foundations of preparatory concrete as specified in that department.

Over the concrete foundations the brick contractor shall apply Dickey's No. 1 selected paving brick equal to sample in architect's office. All brick for treads shall be laid on edge in cement mortar with the mortar joints laid solid natural color. All mortar for this purpose to be one part cement as specified elsewhere in these specifications to three parts of sand and lime mortar, carefully pointed as directed. Risers to steps to be similarly finished, all as per details.

The top landings are to be of similar brick work laid in pattern as shown on drawings.

PATENT FLUE

The general contractor for the work herein shall provide and erect in place in the building, in a firm and substantial manner, the patent flue necessary for the completion of the work as indicated on the drawings and herein described.

MAIN KITCHEN:

At the main kitchen in basement, a 12" patent flue shall be extended from the basement floor to above the roof voer the second story and enclosed in the frame and stucco chimney top indicated on the drawings.

This flue shall be equipped with two thimbles, one for the hook to be placed near ceiling and one for the range at a lower elevation as directed.

The size of this flue herein given is the internal dimension and shall be of Clawson, or equal, construction with an internal flue of terra cotta construction, at least 1" in thickness of good hard burned clay material in sections about 2'0 high, each section joined to the other and protected with a galv. metal flange. An outer casing of No. 24 galv. iron shall be provided, leaving 1" air space all around the inner lining and with proper struts to hold this distance uniform throughout.

This flue to start on a proper masonry base, with cleanout door in conformity with the requirements of the building laws and shall extend vertically and shall have secure bracing and anchorage into the concrete walls before pouring.

When passing through roof construction, the patent flue must be carefully flashed and made watertight.

The chimney top will be enclosed in wood and a galv. iron decking shall be provided to which the flues will properly connect in a careful, watertight manner, allowing the necessary openings for ventilation between the outer and inner linings.

CUT CAST STONE WORK

The mantel in the men's club room in the first story is to be constructed of cut cast stone work, equal to sample in the architect's office.

Cut cast stone to be composed of Portland cement, conforming to the quality and standard specified under the heading of Concrete Work. White cement to be Atlas or Medusa white cement. All marble used in the work to be crushed California travertine or other approved colored marble, chemically treated.

All castings to be composed of one part cement to not more than four parts crushed marble in accordance with approved samples. The above is to be mixed in a machine mixer of approved type to a liquid consistency and to be poured into the moulds immediately after mixing and to be well puddled to fill all parts of the mould. All castings to be solid throughout the entire body of the above liquid mix and no backing of gravel or sand will be allowed. Projecting or other members where practical may have the back hollowed as detailed.

Models of any ornamental work in connection with the mantel shall be made in clay and approved by the architect before any castings are made. All such cast stone work to have all exposed surfaces finished on a machine planer or recarved by hand with pneumatic carving tools. Provide any necessary reinforcing and anchors for securing the material in place.

Contractor is referred to the scale drawings for any information as to the character and detail of the mantel and construction in every case shall be first class in every particular.

Shop drawings of the work shall be submitted to the architect for approval. All cut cast stone work shall be assembled in the shop and perfectly fitted before sending to the job. Each piece shall have the necessary ribs for strength in case of any hollow members.

All material shall be carefully and accurately set in position by workmen skilled in this work. All joints shall be uniform in width and all pieces securely tied in place with wire, dowels, etc. using No. 9 and No. 6 copper wire.

Each piece to be securely anchored with at least two anchors. After the pieces are wired in place they shall be filled solidly at the back with a grout as necessary to bond all parts securely.

Joints of the stone work are to be raked out to a depth of about 1/2" and shall be pointed up flush with stone work with mortar composed of one part fine marble chips and dust of approved color to two parts of white cement.

All cut cast stone work shall be protected from injury by means of boards or other suitable covers until the completion of the work.

On final completion all cut cast stone work shall be cleaned down carefully with weak acid and water and left in perfectly clean condition. Hearth of fire place will be of tile as specified under that department.

A D D E N D A

CARPENTRY SPECIFICATION

BOWLING ALLEY RAILING:

At the public space of bowling alley erect a wood railing where shown on plans, using a 3 x 3 moulded top rail, 4 x 4 posts with 1 x 3 uprights, spaced 4 1/2" o.c. Uprights to be rebated to top rail and secured at floor with wood base and moulding as detailed. Posts to be securely anchored to floor with 2 - 3/16" x 1 1/2" iron anchors let into concrete floor, bent against post and bolted with a 1/2" bolt. Carpenter to assist in locating these anchors accurately and shall apply to the architect for the correct spacing.

Superior Moulding

ESTABLISHED 1888

WORK INCLUDED:

The work under this department will include all necessary carpenter work and mill work required for the construction as indicated on the drawings and specified herein.

The contractor will note on inspection of the drawings that the building construction is Class C construction. The entire first and second floors of the building will be constructed of wood with concrete and steel columns and concrete, steel and wood girders while the roof construction will be with steel trusses and girders and of wood ceiling joists, rafters, purlins, bracing, etc.

TEMPORARY WATER CLOSET:

Temporary toilet facilities must be provided by the contractor for men employed on this work. Housing shall be of substantial character with a watertight roof and of sufficient size to provide for two water closet compartments, a 3'0 sink and a 5'0 trough urinal. All to be of a character approved by the architect and located as directed, convenient to the construction herein.

Structure to be maintained until such time as the architect directs its removal.

Water supplies to the various fixtures to be maintained by the contractor and paid for by him for the entire duration of his contract.

OFFICE:

An office shall be constructed on the site at point directed. This shall be no less than 12 x 14'0 in size, constructed water tight and with at least two stock windows containing each 15 sq. ft. of glass. Provide stock doors with proper hinges and cylinder night latch.

Along one entire side of the room construct a dressed pine counter shelf or table 42" wide with at least three drawers below same, of sufficient size to take the drawings of the job laid flat.

Supply all necessary hardware and erect over the counter a rack for plans and details as directed.

The carpenter shall, as the work progresses, and when required by the architect, erect any temporary batten doors necessary at openings to prevent unauthorized access to the building and shall supply proper hinges and padlocks to protect doors.

Any openings through floors and elevators, stairways, etc. shall be protected with temporary railings as required by the state law.

Ladders shall be erected in the building from ground to the roof as work progresses, providing proper facilities to the architect and superintendent for inspection.

TIMBER:

All timber herein specified shall be of No. 1 Douglas fir, free from large or loose knots, or other defects and all parts to be sized in a planer.

Contractor may use No. 2 lumber for bridging or bracing and must cut out knots or other defects so as not to weaken the frame.

SIZING:

All timber except roof framing to be sized in a planer.

DIMENSIONS OF TIMBER:

All framing timber shall consist in general of the following sizes:

First floor joists:

Auditorium and under stage - 2 x 14" - 16" o.c.
 Stage 2 x 6" - 16" o.c.
 Entrance vestibule, lobby, halls, toilet rooms, etc.
 where tile floors are indicated on the plans -
 For spans of 8'0" or less, 2 x 12" - 16" o.c.
 For spans exceeding 8'0", 2 x 12" - 12" o.c.
 Lodge rooms, ante rooms, etc. where wood floors are indicated on plans -
 For spans of 12'0" or less, 2 x 10" - 16" o.c. X
 For spans exceeding 12'0", 2 x 14" - 16" o.c.

Second floor joists:

Lodge rooms:
 For spans of 12'0" or less, 2 x 12" - 16" o.c.
 For spans exceeding 12'0", 2 x 12" - 12" o.c.
 Balcony and hall No. 8, 2 x 10" and 2 x 14" as noted on plans, 16" o.c.
 Projection room, 2 x 8" - 16" o.c.
 Dining room, ante rooms 2 and 3, halls 6 and 7 and kitchen, 2 x 12" - 16" o.c.
 Toilet room, 2 x 12" - 12" o.c.
 Fan room joists, 2 x 12" - 16" o.c.
 Ceiling joists
 Over auditorium, 2 x 10" - 24" o.c.
 Over balcony, 2 x 14" - 24" o.c.
 Over fan room, 2 x 10" - 24" o.c.
 Over lodge rooms, 2 x 6" - 24" o.c.
 Stair halls, 2 x 8" and 2 x 10" - 24" o.c.
 Dressing rooms on stage, 2 x 6" - 16" o.c.
 Grid over stage, 3 x 10" - 18" o.c.

Roof Rafters:

Over auditorium and stage, 2 x 10" - 24" o.c.
 Over balcony and hall 8, 2 x 14" - 24" o.c.
 Over fan room, 2 x 10" - 24" o.c.
 Over halls 6 and 7, and stairways, 2 x 8" and 2 x 10", 24" o.c.
 Lodge rooms, 2 x 10" - 24" o.c.

Studding:

All studding shall be of the sizes hereinafter specified under heading of "Interior Partitions".

FLOOR JOISTS:

Double the various floor and ceiling joists throughout all floors for trimmers and headers, at all openings for stairways, scuttles, skylights and such other portions as necessary; all parts to be thoroughly spiked satisfactory to the architect.

Also, double all floor joists under partitions.

Place cross bridging of 2 x 3 lumber in all floors in rooms not over 8'0" apart nor over 8'0" between bearings and bridging.

In addition put in solid 2" filling over all girders and bearing walls. Stop all holes at the first floor level to prevent rats and mice from gaining access to the frame.

When joists bear on the steel framing suitable pine plates as shown in details shall be bolted to the steel work and the framing timber securely spiked to these plates.

Where framing timbers bear on concrete ledges or walls, as shown on drawings, similar pine plates, similarly anchored to the concrete, shall be provided. Framing timbers shall extend at least four inches (4") into the concrete walls and have the ends cut on a bevel and protected with paraffine paint.

INTERIOR PARTITIONS:

The contractor will note that the interior partitions in certain portions of the work are of concrete and shall ascertain full particulars by a careful inspection of the drawings. When not indicated of concrete, all partition studding throughout shall be of wood and unless otherwise noted on plans, studding shall be 2 x 4 - 16" o.c.

At the following locations and where noted on the plans, wall studding shall be 2 x 6 - 16" o.c. and when specially noted 2 x 8", 16" o.c.

Basement

West wall of bowling alley
south wall of banquet room between banquet room and men's toilet only. (2 x 8)
South wall of kitchen
South wall of hall #3

First floor

Wall between lobby and auditorium
Wall between auditorium and stage
North wall of canteen
Wall between women's toilet #4 and office #2
Wall between lodge room #1 and women's rest room

Second floor

South wall of balcony between balcony and hall #8
East wall of ante room #2

In the basement these partitions will bear on the concrete floor slab, to which they shall be anchored against movement in a secure and substantial manner.

Where partition plates rest on concrete or steel girders, running parallel with same, in the first and second floors, these plates shall be securely attached to said girders and in the case of steel girders, wood plates shall be fastened to same by means of anchor bolts. Top and bottom plates shall, in all floors, in all cases be properly secured to the wood floor or ceiling joist construction or to concrete or steel as conditions require.

When wall studs butt against concrete walls an approved form of anchorage shall be provided to prevent side movement in the studding.

All wood partitions are to be fitted with the necessary sills, plates, bridging and bracing of the same dimensions as the studs where they occur. All partitions throughout to be well braced in every direction. There shall be one line of herringbone bridging in all walls and partitions in each story midway between floors and ceilings. In addition to the above there shall be cripple bracing cut in the various partitions throughout where necessary to provide for stiffness and stability in the building. This cripple bracing shall be run diagonally from floor to ceiling against all external masonry walls.

Truss bracing shall be placed in partitions or walls where necessary or directed to relieve the weight from any portions desired.

ROOF CONSTRUCTION:

The roof over the entire building shall be built up in the manner indicated on the drawings and as specified hereunder, using sizes of timbers noted on plans and as specified.

Where rafters or joists bear on the steel framing suitable pine plates as shown on details shall be bolted to the steel work and the framing timbers securely spiked to these plates.

Where framing timbers bear on concrete ledges or walls, as shown on drawings, similar pine plates, similarly anchored to the concrete shall be provided and set and where no ledges are provided, framing timber shall extend at least 4" into the concrete walls and have the ends cut on a bevel and protected with paraffine paint.

Rafters shall be properly lapped as indicated and thoroughly spiked together. Ceiling joists shall be framed to a close fit with the flanges of the steel work and have tie pieces securely nailed at each junction.

Where ceiling over the balcony portion of the auditorium is at a higher level than the adjoining panels, the joist shall be supported on 4 x 4" posts at 24" centers and upon plates resting and on the ends of adjacent joists and all securely framed and spiked as shown on details.

At all bearings on steel work, framing timbers of the roof construction shall have solid blocking of 2" timber cut in between and a line of 2 x 3" crossbridging in the center of all spans of 16'0" or less and two lines of similar cross bridging in all spans exceeding 16'0". Over lodge rooms and stair halls, the roof rafters and ceiling joists shall be trussed together with 1 x 6" lumber as shown on plans.

Contractor will note on roof plans the pitch requirements for disposal of storm water and shall provide in his framing any additional material required or necessary to build up and warp the roof in such form that water will be carried to the designated outlets. Such framing to be of 2 x 6" plates and 2 x 6" studs at 16" centers, or additional worked pieces of 2" timber applied to the tops of the rafters and all securely spiked and nailed.

Such framing shall be constructed as will insure a fall of at least 1/4" per foot on all flat surfaces. Proper framing shall be constructed around all penetrations of roof or ceiling construction such as ducts and chimneys, using doubled timber for headers and trimmers, all securely spiked.

ANCHOR SPACING:

All floor, roof and ceiling joists throughout, where they bear on masonry walls or are parallel thereto, applying not alone to the exterior walls but to the interior concrete walls, shall be properly anchored as herein specified.

Bearings for these joists in all cases shall be 4" and anchors shall be fastened to both ceiling and roof joists near the bottom of same.

Where joists are specified 2'0" apart, anchors shall be applied at every third joist; where specified 16" apart, at every fourth joist; where specified 32" apart, at every other joist; and where joists are parallel to the walls, they shall be spaced 5'0" apart and the carpenter shall cut in back ties of 2 x 4 lumber for the purpose of anchoring the same.

All anchors to have round hole in joist for attachment and two nails bent over same to hold it in place. Outer end of anchors to be bent and hooked to the steel reinforcing bars in the concrete wall.

All anchors required will be supplied as specified in the Iron department to which the carpenter is referred for further information

FRAMED OPENINGS:

All framed openings in roof and ceilings to be fitted with double headers and trimmers and all well spiked.

INTERIOR WALL OPENINGS:

Any interior sash openings, door openings, etc. in the framed wood partitions shall be made of the necessary sizes to suit the finish and to be provided with side studs, doubled, in all cases, with double heads, truss braced in proper manner and with single sills at window openings.

STAGE FLOOR FRAMING:

The floor of the stage at the north end of auditorium is to be built up from the main first floor construction to the height indicated on the drawings, fitted with framed partitions of 2 x 4 studding, 16" o.c. with top and bottom plates properly anchored, and over the top of the same 2 x 6 floor joists 16" o.c. The space under this stage is to be utilized for the storage of auditorium chairs and chair cars or trucks as hereinafter specified utilized for the purpose. The partitions supporting the stage floor to be placed at such intervals as indicated, providing room for one car. Do all necessary framing for the openings to the spaces and for the installation of foot lights.

GRID FLOOR:

The grid over the stage is to be built up in the manner indicated and at the position shown on the drawings. Grid joists to be of 3 x 10 pine No. 1 lumber, 18" o.c., dressed on four sides, applied in proper manner with anchorages as heretofore specified. Fill in solid 3 x 10" dressed bridging at each end to form a proper finish and to receive the plastering surface on the walls.

Over the top of these grid joists apply 1 x 4 dressed and edged vertical grain boards, 4" apart, double nailed to the top of the grid. At the location of the ladder provide a proper framing for a scuttle. Grid construction to extend the full area of ceiling over stage. At side return walls cut in 3 x 10 filler pieces as a means of connecting the side anchors. Anchors for grid joists to be applied on top of same and let in flush so as not to interfere with the boarding on top of grid joists.

PROSCENIUM FRAMING:

At the steel truss over the proscenium opening, provision shall be made for extending proper studding on both sides of truss from top of opening up to the underside of roof construction in order to provide a solid plaster partition between the stage space and the attic space over auditorium.

FURRINGS:

Fix all stops, furrings, etc. and prepare the building for plastering, cementing and for interior and exterior finish. Any necessary furrings for the finish shall be provided in accordance with detailed drawings.

INTERIOR FURRING:

On the interior of the building the carpenter shall do all necessary furring to prepare all parts of the walls, partitions and ceilings for plastering, except as noted herein. This will include all finished sections of the basement as well as the first

and second stories of the building and the ceiling only of the fan room.

The interior walls of the boiler room and storage spaces Nos. 1 and 2, in the basement and the fan room and store room No. 3 in the attic space will be left with exposed concrete walls but any stud partitions in these spaces shall be prepared for plastering.

The ceiling of the boiler room will have a double metal lath and plaster ceiling and the ceiling in bowling alley will be furred for soundproofing, as provided for in the Plastering section.

FURRED CEILINGS:

The carpenter will note that the two stairs from basement to second floor are of concrete construction and all furring on under side of stairs and ceilings of landings between first and second floors will be of metal hung from the concrete slab as provided for in the plastering section.

In the boiler room in the basement there will be a double metal lath and plaster ceiling as specified under the Plastering section.

In the ceilings wherever the wood joists are 2'0" o.c. the contractor shall provide and apply 1 x 2 pine strips 12" o.c. double nailed with 10d nails to each ceiling joist. These are to be lined up true and straight and all parts prepared for lathing. At any intervening concrete or steel girders, extend furring as necessary to cover same.

The above furring applies in the main ceiling of the auditorium ceiling over balcony, halls nos. 6, 7 and 8 and lodge rooms nos. 2 and 3 and in fan and store rooms #3 in the attic.

Furr for soundproof ceiling in bowling alley as specified under Plastering.

In some cases where the spaces are small in area and the ceiling heights excessive, provisions will be made for suspending 2 x 4 joists approximately 16" o.c. as a furring in order to bring the ceiling down to a reasonable height.

Furr for vaulted and flat ceilings and beams in exterior vestibule, main entrance lobby and under overhanging balcony in auditorium.

Furr for beams and coffer panels in ceiling of auditorium and for any other plaster beams and ceiling breaks shown on the plans as in the men's club room and in halls.

Furr down ceilings in first floor as follows:

Canteen to 10'0" and any small closets to 8'6"

Card room, offices 1 and 2 and ante room no. 1 to 12'6"

Lodge room #1 to height shown

WALL FURRINGS:

All exterior walls of the building are of reinforced concrete and with the exceptions hereinafter noted are to be furred by the carpenter with 2 x 2 pine furrings applied vertically 16" o.c. These are to be set up true and straight and in a uniform plane. There shall be a 2 x 2 horizontal furring strip at the top and bottom of each story to which the furrings shall be nailed and in addition provision shall be made for a horizontal nailing strip built into the concrete walls, one near floor, one near ceiling and one between in the various stories. These intermediate nailings shall be of 1 1/4" x 2" bevelled pine strips set in the forms before pouring and dovetailing into the concrete and forming a proper nailing. All wall furring must be properly finished around the openings in proper manner and secured to the concrete wall in some approved manner.

These wall furrings to have a horizontal fire stop midway in each story corresponding to the herringbone bridging in the partitions. Also, cut in any necessary girtings for the nailings of wainscot or other purposes required.

The exceptions noted above will include the concrete walls of the boiler room, storage rooms nos. 1 and 2 in the basement, the exterior walls of stage in first story and the exterior walls of fan room and store room in attic.

All other interior concrete walls throughout the building excepting those noted above, in the basement, first and second floors, are to be similarly furred and prepared for metal lathing.

When furred spaces at exterior and interior concrete walls exceed 2" use 2 x 3 and 2 x 4 studs instead of 2 x 2 furrings.

Cut in any necessary rough brackets for plaster cornices and beams, lintels and for any wood cornice on the interior of the building. Furr for cases, cabinets, lockers, trophy cases and other finish work noted on the plans.

At the structural columns in the lobby, auditorium, etc. provide proper furrings in the manner indicated on the drawings.

Furr as necessary for book cases and fire place in men's club room, extending the furring up to ceiling line.

Furr the walls in men's club room and lodge rooms for heating man's duct lines extending same continuously on the walls as indicated. Do such furring as necessary for any wall breaks shown in the main rooms throughout and at the connection between auditorium and stage and at proscenium opening.

Apply furring wherever needed in the building for concealing piping, etc. This will apply on walls and ceilings as the necessity requires. Furr around all plumber's and steam fitters' pipes and ducts where necessary and do such cutting and furring as necessary for plumber, electrician and heating contractors.

Provide solid rough backing behind plumber's fixtures where necessary for the support of brackets.

Furr for hose rack recesses, all as indicated on the plans.

Do all necessary furring in preparation for Keene's cement wainscoting and magnesite shower.

Furr around exposed steel girders in second floor construction for metal lath and plaster.

UNDER WALL FURRINGS:

Do any furring or preparatory work necessary for interior cement floors or tile floors when laid over wood construction and cut in backing for tile base where specified. Tile floors will be required in all toilet rooms, canteen and where otherwise marked on the plans at which locations the wood construction shall be depressed or in lieu thereof 1 x 3 side strips shall be cut in at the sides of the joists and boarded between the joists with the top edges of joists bevelled in the usual manner.

Furr for deafening in the partitions as noted below. Furring for this to consist of 1 x 2 lumber nailed to the sides of the studding to provide for lathing and double air spaces.

Locations for deafened walls will be as follows:

West wall of bowling alley (basement)

South East wall of banquet hall between banquet room and men's toilet only (basement)

West wall of women's toilet - first story

East wall of women's rest room - first story

Walls and ceiling of telephone closet - first story

East wall ante room #2 - second story

KEENE'S CEMENT WAINSCOT FURRING:

A Keene's cement wainscot will be provided at various portions of the work as listed under the Plastering department. Where this wainscoting occurs at frame walls, the contractor will prepare the walls in the following manner:

Between the studs of partitions at all such places, cut in a girt at top line of the wainscot and fill in an extra 2 x 3 stud between the regular stud. At the furred concrete walls treat same similarly.

At the composition wainscoting in the custodian's shower room treat the walls in a similar manner applying in addition 1 x 6 pine boarding as a solid backing to which the galv. iron wire mesh will be applied as specified under Composition Shower.

WOOD FLOOR NAILINGS:

In the bowling alley and the custodian's room and closet of same, in the basement, the concrete floor is to be prepared for wood nailing strips. In each of these cases the concrete man will provide and apply in his rough concrete construction, bull dog clips for securing the wood strips. These clips to be laid in lines 16" apart and at intervals of 2'0 in each line with additional clips at the outer lines of room spaces to provide for proper nailings. In the custodian's room and closet, the carpenter shall provide and apply 2 x 3 sized wood nailing pieces, painted all around with P & B paint and securely attached to the concrete slab with proper blocking and shims.

GROUNDS:

The carpenter shall place grounds in the usual manner throughout all plastered portions of the building in the basement, first and second stories, as necessary to give straight and true lines for the plastering. Grounds will be required at the top lines of all base, wainscot, chair rails, picture mouldings and around all openings.

WAINSCOT FURRINGS:

A Keene's cement wainscot will be provided at such portions of the work as noted herein for which the carpenter will prepare in the following manner.

Between the studs of partitions at all such places, cut in a girt at the top line of the wainscot and fill in an extra 2 x 3 stud between the regular studs. At any furred concrete walls, treat same similarly.

Under the above requirements, prepare for a Keene's cement wainscot at the following locations and heights.

Basement:

Main kitchen and pantry - 7'0 high
Toilet off main kitchen - 7'0 high
Custodian's bath - 5'0 high
Janitor's closets nos. 1 and 2 - 5'0 high
Toilet no. 2 off locker room - 5'0 high

First floor

Janitors' closet no. 3 - 5'0 high

Second floor

Kitchen no. 2 - 7'0 high
Janitors' closet - 5'0 high

ROOF BOARDING:

The entire area of all roofs throughout the building are to be boarded over the roof joists and rafters with 1 x 6 No. 2 T & G Oregon pine flooring, nailed close and blind nailed and top nailed to all joists and rafters.

The roof joists shall be set in such manner that the roof water will drain to the outlets and any necessary furring or camber strips for this purpose shall be provided and applied to accomplish this.

The boarding material is to be bent down as necessary and warped to form valleys and gutters and all parts be prepared in the usual manner to receive the roofing material.

Trim the edges of roofs in all cases to receive gutter finish as necessary.

GUTTER FINISH:

The carpenter shall do any necessary framing and boarding to the various gutters of the main roof connecting to the masonry work of cornices in some satisfactory manner and all parts to be properly graded so the water will run to the conductor outlets indicated.

WOOD CHIMNEY TOP:

The chimney top enclosing the patent flue from main kitchen will be of wood studs and boarding built up securely and prepared for lath and cementing. Board over top of same and prepare for metal lined deck.

UNDER FLOORS:

The entire area of first and second floors, including auditorium balcony and attic throughout the building, unless otherwise mentioned herein, is to be laid over the joists with an under floor of 1 x 6 dressed pine boards thoroughly seasoned, drawn close and double nailed at all joists. This boarding is to be fitted at the walls as necessary and with joints cut over the floor joists and properly nailed.

BOWLING ALLEY:

In addition to the above the contractor shall provide an under floor of similar character at the bowling alleys, covering the entire area from the wood rail to the north wall of the room. Over this area he shall provide at east and west walls and in the center between the alleys, built up on this underflooring, a proper floor construction to bring these areas up to level of the bowling alleys proper as shown on the drawings.

Build up with 2 x 3 joists, 1 x 6 underflooring and 1 x 4 T & G No. 2 vertical kiln dried pine flooring as hereinafter specified.

At alley pits at north end of bowling alley contractor shall supply similar underflooring laid with pitch as directed.

At the south end of room, provide raised platform for chairs as indicated built up with proper joists, strings, single finished pine flooring, etc. complete.

WALL BOARDING:

At any stud partitions and on ceilings in the projecting room in second floor, apply 1 x 6 dressed pine boards to prepare for sheet metal lining.

FINISHED PINE FLOORS:

At the areas noted below, the contractor shall provide and lay over the underflooring 1 x 4 T & G No. 2 vertical kiln dried

pine flooring, blind nailed at all joists and butt joints top nailed and finishing nails set in. Cut out any sap or pitch pockets or other defects. Cut all joints over floor joists.

Under the preceding requirements supply pine floors at the following locations:

Basement

Custodian's room and closet off same. (Pine floor on sleepers direct)

Bowling alley, between and alongside of alleys.

First floor

Check rooms 2 and 3

Vestibule #1

Ante room #1

Lodge room #1

Offices #1 and 2

Telephone booth

Second floor

Lodge room #2

Ante rooms #2 and 3

Dining room

Kitchen #2

Halls #6, 7 and 8

Balcony platforms and aisles

At the various lodge rooms, the contractor shall provide the necessary joists for the platforms on four sides of the rooms in the manner indicated on the plans, using 2" joists of proper height and placed 16" o.c. Over this apply 1 x 4 pine flooring, conforming to the preceding specifications and finish the riser with a dressed facing board of wood corresponding to the finish of the room and with a corresponding nosing.

At the dressing rooms on the stage apply 1 x 4 T & G No. 2 vertical kiln dried pine flooring conforming to the preceding specifications, directly on the ceiling joists, omitting the underflooring and finish with neat moulding and facing board of wood in accordance with the full size details.

OAK FLOORING:

At the men's club room, card room, women's rest room and trophy cases in the first story, contractor shall provide and lay 7/8 x 3" kiln dried T & G quartered white oak flooring. Lengths shall be in accordance with standard grading rules, except that any pieces under 4'0 long shall be used only as end pieces to fill out to walls and shall not be placed in the body of floors excepting under special directions. Ends of floor boards shall be tongued and grooved and shall be blind nailed to the under floor material. This floor shall be laid with a quartered oak border of similar floor material, 24" in width in men's club room and 18" in women's rest room, with two mahogany or walnut strips introduced in the border of men's club room as directed. Border to follow the outline of the main wall and finished with herringbone corners.

MAPLE FLOORING:

The entire area of the auditorium and stage, including dressing rooms nos. 1 and 2 and lodge room no. 3 except raised platforms, shall be laid over the underflooring with 7/8 x 3" T & G kiln dried maple flooring of the quality known to the trade as "clear white".

Lengths shall be in accordance with standard grading rules, except that any pieces under 4'0 long shall be used only as end pieces to fill out to walls and shall not be placed in the body of

the floors except under the express direction and approval of the architect.

Ends of floorboards shall be tongued and shall be blind nailed to the underfloor in a careful manner. Maple flooring shall be selected of as near uniform coloring as is practicable and in the application of same any variation shall be blended so as not to show up with contrasting strips adjoining one another.

BUILDING PAPER:

The finished oak and maple floors herein provided shall have one thickness of two-ply P & B building paper between the finished and the underfloor, lapped 2" in joints and extending 2" high at the wall line.

SMOOTHING OF FLOORS:

All pine floors herein specified must have all byewood and other uneven places carefully smoothed off. All oak and maple floors are to be carefully machine smoothed over the entire area and prepared for natural finish. Machine smoothing shall be of good character and sufficiently fine grade of sand paper used to avoid scratch marks showing through the finished work. Edges of these floors next to the walls to be carefully cleaned by hand, matching the machine work.

PROTECTION OF FLOORS:

No finish floors are to be laid until the plastering and Keene cement wainscot has been completed on the interior and after being laid they shall be protected from stain or damage until the building is finished.

The floor work specified herein, if let as a subcontract, shall not be let to parties unless approved by the architect. The architect reserves the right to require the contractor to employ skilled carpenters to do this work.

TRUCK GUIDES:

No finished floor will be required under the stage of the auditorium excepting for guides for the wheels of seat trucks. Each of the subdivided spaces under the stage are to be finished with two runways made by extending the maple floor of auditorium in 10" strips parallel with the division walls at such position as to gauge with the truck wheels. These strips to be finished at the edges with side liner of dressed lumber 1 1/4" x 3" on edge, nailed against edges of tracks and fitted at the front end with 45 degree splays to guide the wheels of trucks in entering the compartments.

ATTIC DIVISIONS:

The attic space over the auditorium is to be divided into areas not exceeding 2500 sq. ft. using for this purpose partitions of 1" redwood boards with redwood battens nailed close and extending up to the roof boards and making each compartment tight against the other.

In each such partition a batten door shall be hung on heavy spring hinges, holding the same closed at all times.

WINDOW FRAMES:

In general the window frames shall be of metal as hereinafter specified. The exceptions are the windows in the auditorium and on the stage and stairhall windows which shall be of wood and of the

number, form and dimensions indicated on the drawings. Frames shall be carefully made as per details and in accordance with specific requirements of each individual type.

VENT FRAMES:

Provide and set suitable wood frames with staff beads for the metal vent grilles in unexcavated east wing. The metal vents are to be supplied under the Ornamental Iron specifications but shall be set by the carpenter.

DOUBLE HUNG WINDOWS:

Where double hung windows are required by the drawings, all of these specific frames shall be made for double hung sash, with 1/4" Oregon pine pulley stile, fitted with Sargent 222 AF or Corbin 3726 1/2 - 2 1/2" pulleys and with 2" redwood sills as per details. In all cases the frames shall be provided with proper boxing to enclose the weights and division pieces between weights to keep them from striking.

Double hung frames where provided with transoms shall have moulded transom bars and other finish as necessary and as indicated on the details and prepared for hinged transoms.

STATIONARY WINDOWS:

Where stationary windows are required herein for exterior windows, the frames shall be supplied with 2" rabbeted jambs with casings, staff beads and other finish as detailed and with 2" redwood sills.

Under the preceding requirements supply stationary windows in the east and west walls of the auditorium only.

PAINTING OF FRAMES:

All window frames shall be painted by the carpenter on all sides before being set in the walls. The paint for this work must be pure white lead and linseed oil, mixed to good body and covering all exposed surfaces, both at the back and the face with the exception of the pulley stiles. This painted surface includes not alone the exterior exposed surfaces but the back surfaces where they are covered in the walls.

Similar painting must be provided at all door frames and any frames of any character applied in the concrete walls.

STAFF BEADS:

All wood window and door frames throughout shall be finished with the necessary outer casings and with heavy staff beads of special section to receive the cementing and waterproofing cement. Basement windows to have the staff beads arranged in such manner as to form a stop for the screens.

All frames must be very carefully set in proper position, the contractor checking the drawings to note the exact locations in conformity with interior and exterior arrangements. Frames will be set in the masonry openings after the concrete has been poured and forms removed.

The carpenter shall arrange for the placing of proper nailing blocks for fastening the frames in place.

All frames to be fitted with a removable stop piece under the sill, serving to back up the cementing which is to be forced under the sill finish. Where necessary for the protection of frames, the carpenter shall provide board or strips covering exposed portions where subject to damage.

SASH:

Sash for the wood windows enumerated above, or shown on plans, are to be mill made of sugar pine 2" thick with muntins and any divisions as per details. Double hung windows to have lugs on the upper sash and finished with heavy meeting rails.

Double hung sash windows are to be hung on iron weights balancing the sash with No. 8 Samson Spot or Silver Lake sash cord.

WINDOW TRANSOMS:

Transoms over windows where indicated on the drawings are to be of sugar pine, 1 3/4" thick, constructed similarly to the sash and where hinged shall be supplied with butts and hardware as specified under that heading.

GLASS:

All glass required for the building, either on the exterior or interior, to be furnished by this contractor of the best quality in every case, carefully set in place and on final completion of the building, carefully replaced where broken or damaged.

In the absence of any specific mention in any part of the work, herein contemplated to be glazed, the contractor shall furnish the same of proper kind and quality to fit the respective locations and equivalent to corresponding work in other portions.

FLAT DRAWN GLASS:

Glass in all parts of the building, unless otherwise mentioned, herein or shown on the drawings, to be strictly No. 1 flat drawn glass, as manufactured by the Libbey Owen or equal quality, all to be of double strength and of select glazing quality.

PLATE GLASS:

Glaze with selected polished plate glass, 1/4" thick, the following portions of the work.

Main entrance doors and transoms at south front, 1st story
Trophy cases in main entrance lobby, 1st story.

WIRE PLATE GLASS:

Glaze with selected No. 1 quality, clear wire plate glass as follows:

Two doors between banquet room and pantry.

CLEAR WIRE GLASS:

Glaze with 1/4" rolled wire glass the following portions of the work.

All windows in basement, except in custodian's room and bath and toilets #1, 2 and 3.

Rear basement entrance door

All windows on stage.

ROUGH WIRE GLASS:

Glaze with 1/4" rough wire glass the basement windows in the custodian's bath and toilets #1, 2 and 3

ROLLED WIRE GLASS:

Glaze with 1/4" rolled wire glass the skylight over office space.

MOSS GLASS:

Glaze with 3/16" moss glass of the best quality to be approved by the architect, the following portions of the work.

All interior sash doors throughout the building, unless otherwise specified.

All interior transoms and high sash throughout

All lower lights in women's toilet #4 and toilet #5 and kitchen #2

TINTED CATHEDRAL GLASS:

At the following location supply select quality tinted cathedral glass of color selected.

Window and transoms in first story stair halls.

LEADED CLEAR GLASS:

At the bookcases in men's club room, the contractor shall provide and apply leaded clear glass of the design indicated, lead to be 1/4" wide as selected by the architect and all glass to be of the best flatdrawn material conforming to other material herein.

MIRRORS:

Supply and set plate mirrors of #1 quality 16 x 20" at the following locations.

Basement

3 mirrors over basins in toilet #1

1 mirror in medicine closet in custodian's bath

1 mirror over basin in toilet #2

1 mirror over basin in toilet #3

First story

2 mirrors over basins and full length mirror in door to check room in women's toilet #4

Mirrors full length of counter shelves in dressing rooms off stage.

Second story

2 mirrors over basins in toilet #5

EXTERIOR ENTRANCE DOORS:

The three sets of main entrance doors are to be 2" in finished thickness. They are to be built up with a laminated kiln dried pine core, 1 1/2" in thickness, veneered on all sides and edges 1/4" thick. For the exterior surface this shall be of selected kiln dried quartered white oak and for interior surfaces of pine. Panels to be veneered properly and finished with raised mouldings as per details.

At the open panels provide any necessary mouldings and loose stops in preparation for glazing.

Transoms over these doors to be 2" in thickness, veneered inside and outside corresponding to the doors. Frames for doors to be of 2" pine, veneered or faced with pine and oak in proper manner, corresponding to the preceding requirements. Finish with moulded transom bars of oak, back of same in pine.

Sills of doors to be of marble.

Provide staff beads of proper character to connect to the cementing of concrete walls. Casings to be in accordance with the requirements of interior finish. All necessary hardware for these doors and transoms to be applied by the carpenter and as included in the Hardware specifications.

REAR ENTRANCE DOORS:

All other exterior entrance doors to the building in the basement and first story, excepting rear exit doors from auditorium, are to be of Oregon pine, 2" thick, with solid 3-ply lower panels and the upper panels open moulded for glazing. Supply with 2" rabbeted pine jambs and moulded staff beads. Sills will be of cement.

Rear exit doors from auditorium shall be 2" with solid 3-ply panels as shown on drawings.

Where so indicated provide transoms 2" thick with moulded transom bars and other finish as per details. Set all hardware required by the Hardware specifications.

BOILER ROOM DOOR:

The interior door to boiler room is to be built up of 1 x 6 T & G redwood lumber, two thicknesses, one vertical and one horizontal, nailed together with wrought nails and after being covered by the sheet metal man with tin, are to be properly hung to the openings with pintle hinges extending through the concrete walls and with bolts through the doors. Apply all other hardware, including automatic closing equipment with weights, etc. as provided in the Hardware specifications.

Build similar door at opening in attic between grid space and auditorium attic.

INTERIOR DOORS:

Interior doors throughout the basement, first and second stories are to be of the number, form and dimensions shown on the drawings. All interior doors throughout the building will be of selected mill made kiln dried pine doors 1 3/4" thick. They are to be framed with stiles and rails in two or three moulded panels, panels to be of 3-ply veneered stock. Finish with moulding in the usual manner. The detail of the typical door will be flush mouldings at the panels and for the doors in the lobby, corridors, stairhalls and auditorium, the requirement will be for raised mouldings and panels as per details. The two doors to dining room on second floor will be sash doors with the upper panel glazed. Supply with mouldings corresponding to the solid panel work.

Door between women's toilet #4 and check room #2 shall have full length mirror on check room side.

All doors shall be of strictly high class material and workmanship and guaranteed by the contractor as to the quality and as to the doors being kiln dried. In the event of any shrinkage or other defects appearing in the work, the contractor will be held strictly responsible for replacements, including refinishing.

The contractor will note that at the openings between halls # 6 and 7 and lodge rooms #2 and 3, two sets of doors are required for sound proofing purposes.

TRANSOM BARS:

Provide moulded transom bars to all doors where marked "T" on the plans and put in 1 3/4" transoms prepared with loose stops for glazing. Transoms shall be of pine veneered to correspond to the requirements of the respective locations. All transoms unless otherwise specified are to be hung on hinges at the bottom and provided with transom rods to operate the same. See Hardware spec.

DOOR JAMBS:

All interior doors throughout shall be supplied with 2" rabbeted jambs, properly framed and well secured in place.

SPECIAL DOORS:

The three pairs of doors between lobby and auditorium to have their frames extended to height shown on drawings, the upper part of the opening filled in with wood panelling as per details.

DOORS UNDER STAGE:

The various doors below the stage floor line, closing the openings to the seat storage compartments, will be built up to conform to the panel wainscoting of auditorium and shall be not less than 1 1/2" thick, properly set in the openings with dowels fitting into the floor with hardware applied as necessary. Fit with framing of rabbeted jambs and with finish as provided elsewhere herein.

DUTCH DOOR:

The check room door in basement shall be constructed with 1 3/4" door, with a horizontal joint at the center of height, fitted with a proper rabbet and with a pine shelf at the inner face of door with proper brackets under same.

PROJECTING ROOM DOOR:

The projecting room in second story will have a door constructed for the same corresponding to other work herein but finished as a flush panel on the projecting room side, to be covered with metal by the sheet metal contractor.

HANGING INTERIOR DOORS:

all interior doors throughout unless otherwise specified are to be hung on 4 1/2 x 4 1/2" plated steel butts and all necessary hardware as covered by the Hardware specifications.

Double acting doors to be fitted with floor hinges.

INTERIOR FINISH:

All interior finish of every description and kind necessary for the full and satisfactory completion of the building shall be furnished and set by the carpenter in a workmanlike and careful manner to the full intent of these specifications. This will apply to all finished sections of the basement, first and second stories.

THRESHOLDS:

Provide thresholds of vertical grain Oregon pine for all doors 3/4" thick and moulded as directed. Maple thresholds of similar character shall be used at all doors opening to rooms floored with maple and oak thresholds at all rooms laid in oak.

CASINGS:

Casings shall be provided where noted herein and will be of pine.

DOOR CASINGS:

At the locations noted below door casings shall be 3/4 x 4" plain with slightly rounded corners.

Basement

All doors throughout the basement excepting in two stair halls #1 and 2. This to include serving counter openings between banquet hall and kitchen.

First story

In canteen
 Check rooms #2 and 3
 Women's toilet #4
 Janitor's closet #3
 Telephone booth
 On stage and dressing rooms #1 and 2

Second floor

In janitor's closet
 Toilet #5
 Kitchen #2

At the following locations all doors are to be fitted with 3/4 x 4 1/2" moulded casings and with moulded and rabbeted back bands as per details. These casings shall be extended on the sides, tops of openings, properly and carefully mitered and finished with plinths.

Under the preceding requirements casings of the character noted shall be provided at the following locations:

Basement

Stair halls #1 and 2

First story

Landings #1 and 2
 Offices #1 and 2
 Women's rest room and vestibule adjoining
 Lodge room #1
 Ante room #1

Second story

Halls #6, 7 and 8
 Lodge room #2 and 3
 Ante room #2 and 3
 Dining room

At the locations noted below, a casing will not be required but provision will be made for a plaster return with corner beads and with any necessary tops, bed moulds or such finish as required to cover up any portion of the box frame. This applies to all openings in the lobby, corridors and stair halls in first story.

WINDOW CASINGS:

With the exceptions as listed below, window casings will not be required as provisions are made for plaster returns.

Provision shall however be made for wood stools and any other cover moulding necessary at all such windows. At locations where wood wainscoting occurs the stools and bedmoulds will form a part of the wainscoting.

Window casings, however, will be required at the following locations.

(Stair landings #1 and 2
 Auditorium
 Stage and dressingsrooms #1 and 2

The casings at stair landings #1 and 2 will be 3/4 x 4 1/2" moulded casings with moulded and rabbeted back bands as per details and shall be provided with the necessary stops, stools, aprons, and jamb linings. The casings on the stage and dressing rooms #1 and 2 shall be 3/4 x 4" plain with slightly rounded corners.

The high windows in auditorium will have the construction of inside finish provided in such a manner that double window shades can be provided to effectually darken the room in day time. Provide

necessary casings to cover the rough frames and construction at jambs, heads, sill and at mullions.

BASE:

A pine base shall be provided in the various portions of the building in conformity with the requirements herein.

At the locations noted below the base shall be 3/4 x 7 1/2" and finished with a 2" moulding as per details.

Basement

Custodian's room
Banquet room

First story

Offices #1 and 2
Women's rest room and vestibule to same
Anteroom #1

Second story

Halls #6, 7 and 8
Ante rooms #2 and 3
Dining room
Balcony

At the following locations provide a 3/4 x 6" base with a 1" moulding as per details.

Basement

Hall #3
Custodian's closet
Check room #1
Kitchen #1
Pantry
Toilet #4
Store off kitchen #1
Locker room
Janitor's closet #1 and 2
Bowling alley

First story

Check room #2 and 3
Telephone booth
Janitor's closet #3
Stage
Dressing rooms #1 and 2

Second story

Kitchen #2
Closet off hall #7

CHAIR RAIL:

A chair rail 4 1/2" wide with moulded edges shall be provided and set on all walls in the following spaces.

Basement

Banquet room
Stairs and stair halls #1 and 2
Bowling alley (east and west walls)

First story

At offices #1 and 2
Women's rest room
Anteroom
Stairs and landings

Second story

At all stairs, halls, ante rooms and dining room

WAINSCOT:

At the locations noted below the contractor shall provide a panelled wainscoting of heights indicated below to be made up with a moulded base and cap and with quarter round at floor and with 7/8" stiles and rails and 3-ply veneered panels. All portions of this work to be of high class construction and finish, properly framed, dowelled, glued and carefully applied. Make proper connections at openings.

First story

At all walls and piers of lodge room #1 - 4'0 high
 At all walls and piers of men's club room & card room - 7'6" hi
 At telephone booth - 7'0 high

Second story

At lodge rooms #2 and 3 - 4'0 high
 At lodge rooms #1 and 2 where so indicated on the drawings, the panel wainscoting at officers station shall be extended to a greater height and finished as noted on scale details.
 In the auditorium provide a panelled wainscot 7'6" high on all walls and piers and 3-ply veneered panels and 3/4" pine battens applied vertically with 5/8" horizontal pine rails cut between same. Finish with 7 1/2" pine base with 2 1/2" moulding and with moulded pine cap.

Contractor to provide and set the panelled wood balcony rail of design shown with wood cap and bed moulds, all in accordance with specifications for panelled wainscoting as noted above and connect same in neat manner with T & G wainscoting in back of balcony rail as hereinafter provided for.

Material for all pine wainscoting shall be of vertical or straight grain. The workmanship of erection shall be of careful character with close fitting joints and he shall note carefully any special conditions and shall set the panelling properly in all cases. The individual wall spaces are to be subdivided in panels of uniform width.

T & G WAINSCOTING:

At the locations noted below the contractor shall provide wainscoting on all walls in the respective rooms to a height indicated with 1 x 4 T & G pine boards finished with 4 1/2" cap moulding with 3/4" cove moulding at both edges and with a 3/4 x 6" base with a 1" moulding and a quarter round at floor.

Basement

Check room #1 - 7'0 high
 Kitchen entry hall - 7'0 high
 Bowling alley - north wall and at sides and rear of raised steps in rear - 4'0 high

First story

Check rooms #2 and 3 - 7'0 high
 Stairs from auditorium to stage - 4'0 high

Second story

Back of balcony rail to full height of rail and at all walls of side aisles in balcony - 3'0 high
 Capping at 7'0 wainscoting to be a continuation of cap casings of doors.

PICTURE MOULDING:

At the locations noted below the contractor shall provide at all walls, a picture mould 3" wide of pine.

Basement

Custodian's room	Locker room	Bowling alley
Banquet room	Halls #1 and 2	

First story

Offices #1 and 2
 Women's rest room
 Ante room #1
 Card room

Second story

Stair halls
 Halls #6, 7 and 8
 Ante rooms #1 and 2
 Dining room

COAT AND HAT RAILS:

Supply 4" pine rails for coat and hat hooks in all ante rooms to lodge rooms. See Hardware specifications for number of C & H hook

KEENE'S CEMENT WAINSCOTING:

Where Keene's cement or composition wainscoting is provided, the contractor shall provide and apply at the top line of same a 4 1/2" cap rail of pine fitted with mouldings at each edge and carefully applied.

Where Keene's cement wainscot is specified 7'0 high, it is to be finished at door height and the cap casing of wainscot shall be a continuation of the head casings of doors. Grounds shall be applied to permit this arrangement.

ELECTRIC CABINETS:

Where electric cabinets are provided for in the various parts of the building they will be of steel, provided with flanged edges and set by the electrician on the face of the plastering. They will be equipped with metal doors and the carpenter shall provide as a finish for the metal work a wood band moulding 3/4 x 2 1/2" as per details, fitted to the cabinet, mitered at the corners and carefully applied. The finish shall be such that the metal facing and doors can be removed without defacing or disturbing the moulding

EXIT LIGHTS:

At any exist lights indicated in auditorium the carpenter shall provide the necessary wood finish to surround the same. A box and plate will be furnished and set by the electrician and the carpenter shall exercise supervision of same and his wood finish can be properly extended around same.

HOSE RACK CABINETS:

At the location indicated on the plans, the carpenter shall frame in proper manner for the hose racks furnished by the plumber. Exact size of openings, both rough and finished, shall be secured from the plumber and architect, checking any sizes given on the drawings and these recesses shall be lined with 3/4 x 4" T & G V pine lumber all carefully fitted and applied and with rabbeted jamb and casings on the face, fitted with an open wood door, glazed with a single sheet of double strength select glazing quality, flat drawn Libbey Owen glass. Fit and hang the doors and finish all parts in the usual manner.

Hose racks in basement will require no cabinets.

SHELVING:

All shelving necessary or as indicated on the drawings shall be of spruce except where they occur in finished cabinets, in which the wood must match the remaining finish of the respective rooms.

At closet connected with custodian's rooms and on three sides of check room #2 there shall be furnished a 12" spruce shelf with circular hanging rail below supported by suitable brackets and sockets and with the hanging rail extended in all available spaces of these rooms.

This rail to be 1 1/2" diam. of pine.

In addition provide and set a pin rail around three sides of custodian's closet. Furnish and apply on this pin rail coat and hat hooks spaced about 8" apart.

At each janitor's closet throughout the building provide two 12" spruce shelves properly bracketed and fitted with pin rails on which are to be applied coat and hat hooks and mop holders as directed. At closet off hall #7 furnish and apply two 15" shelves.

In the projecting room in second floor, supply and set a 2" pine shelf with proper supports and prepared for sheet metal lining.

In the telephone booth supply and set a proper double shelf with 3" space between to hold telephone book. Shelf to extend across the entire back of closet.

In the two dressing rooms on stage, furnish and install 1 1/2" pine shelves along one side of rooms as shown with proper supports and to have splash backs on walls 12" high.

See Hardware specifications for glass shelving under mirrors in toilet #4.

BOOK CASES:

The book cases indicated in the men's club room shall be built up as indicated on the scale drawings lined at all parts with pine, using 3/4 x 3 1/2" T & G material with V grooves. Fit same with rabbeted jambs and with 1 1/8" pine doors, fitted with loose mouldings for leaded glass. Each of these cases to be fitted with 3/4" spruce shelves, made movable with ratchet cleats.

All book cases throughout shall have the necessary hardware applied for which see Hardware specifications.

CHECK ROOMS:

The check rooms #1 and 3 indicated in the basement and the first story will have a T & G pine wainscot 7'0 high provided in same as specified elsewhere herein. These rooms shall then be fitted with shelving in the manner shown on drawings. The one in the basement to have interior double shelving while check room #3 will have the shelving applied on the wall spaces only. Shelving to be about 15" wide, made up of 1 3/4 x 3/4" spruce strips and with solid spruce divisions at intervals of 15" thus forming 15 x 15 x 15" locker spaces open for hats and coats.

These compartments shall start with a solid shelf 6" above the floor, fitted with proper base and shall extend to a height of 7'0. At any exposed ends finish with a 3/4" panels as per details.

For shelving in check room #2 see above under Shelving.

KITCHEN CASES:

At the kitchen #2 on second floor provide and set a kitchen case of the form and dimensions indicated. This to extend to a height of about 7'0 properly back lined in all parts with T & G lumber to be fitted with a sugar pine countershelf and with drawers and lockers under same and fitted with two sugar pine slides directly below the countershelf. Slides to be finished at the ends with glued strips. Upper section of case to be filled in with glass doors and movable shelves. Supply and set all necessary hardware. The open section between the upper and lower cabinets to be properly finished with 3-ply facing. Lower locker to have locker doors with solid 3-ply panels and extend full length of room under wood countershelf and along front wall under tile drainboards.

and at this latter location carpenter to prepare the top of cabinet in such manner that tile drainboards may be applied.

Carpenter to provide all necessary wood work in connection with the sink.

At the kitchen and pantry connected with the banquet room in the basement of the building, the contractor shall provide the various case work, cabinets, counters, set up table, etc. of the character indicated on the drawings.

The case on easterly wall of pantry shall extend to a height of about 7'0 with the remaining space to ceiling furred in. This case to be lined with T & G spruce and fitted with a sugar pine counter shelf 1 3/8" thick, below which fill in with open shelving as indicated. Case to be built 6" above floor with proper framing and at front of upper sections fill in with locker doors 1 1/8" thick as indicated with solid 3-ply panels and with all hardware properly applied.

The serving counter indicated on the drawings shall extend on the south side and on part of west wall of kitchen. This shall be fitted with 1 3/8" sugar pine top 24" wide on west side and 32" wide at the serving opening to banquet room. The portion connected to serving opening shall be fitted in below the same with open shelves of spruce with pine casings. T & G spruce back lining, inset base, etc. as indicated on the drawings. Fit with any aprons or bed moulds as necessary to form a proper finish and a proper connection to adjoining construction. Over the top of countershelf on the west wall only fill in with with open spruce shelving with the necessary standards, all properly housed together. Back line the entire case with T & G spruce as indicated.

The serving openings between kitchen and banquet room are to be two in number 7'0 wide by 2'6" high. They are to be supplied with the necessary casings, jambs, etc. and with folding doors 1 1/2" thick of pine with 3-ply panels hung on Richard Wilcox Mfg. Co. sliding accordion folding door hangers #137-0 complete with all necessary tracks and brackets, securely fastened and housed in the head construction as per full size details. These doors to slide sideways against jambs of center column and are to be fitted with the necessary hardware. Supply all necessary stops, chafing strips, etc. as necessary.

Supply set up table with drawers, etc. as per scale details, all parts properly framed and glued and in every way a first class job.

The sinks and clean and soiled dish drainboards will be of metal specified elsewhere in these specifications.

Provide sliding panel between pantry and dishwashing sink where shown on plans.

FLAG LOCKERS:

At ante rooms #1, 2 and 3, on the first and second floors the contractor shall build the lockers indicated on the drawings.

These are to be of the number shown, to be about 2'0 x 2'0 and 10'0 high. They shall be fitted with a 4" base with proper mouldings and raised floor above which extend the locker divisions of 1 1/4" panelled pine and with end panels as noted.

Fit with rabbeted jambs and 1 1/4" panelled pine doors with all hardware properly applied, including cabinet locks.

Top of cabinet to be cased over and finished with proper cap moulding. Fur and plaster up to ceiling.

TROPHY CASES:

The trophy cases in first floor lobby shall be built in the manner indicated on the drawings. They shall have oak flooring as heretofore specified and the walls and ceiling panelled in pine of

similar construction as specified for wood wainscoting under Wainscoting. This contractor to furnish wood mouldings at show cases and set metal show case frames furnished by Ornamental metal man complete. See-Sheet-44-A -

ORNAMENTAL RADIATOR GRILLES:

The ornamental radiator grilles in the lobby are supplied under the Ornamental Iron specifications but the carpenter shall provide all necessary wood framing for same and shall set the grilles in place in a neat and workmanlike manner, all in accordance with the full size details.

CANTHEEN FINISH:

The contractor will provide all the necessary fittings and finish indicated for the canteen. The countershelf shall be constructed at the front opening of same of sugar pine 1 1/4" thick countersunk to receive a linoleum covering. Below same on corridor side fill in with a panelled front with moulded base and cap and proper connection to the framed opening. On inside of this counter shelf provide open shelving of spruce as shown on plans.

Form a countershelf at back and side wall of the form and dimensions indicated, connecting to the sink and arranging same to be faced with tile. Fill in below same with lockers and 3-ply locker doors with shelving as per details. Cabinets above counter shelf to be of the form and dimensions indicated, properly back lined in all parts with pine, cased up properly and fitted with pine doors with glazed panels. Doors to be supplied with sheaves and track. Any of the shelving indicated within the canteen space shall be applied properly and to be of pine.

The opening at the front of canteen, from the top of the counter, is to be equipped with a pine sash 1 3/4" thick with 3-ply panels and is to be hung on iron weights and with Silver-lake cord and sash pulleys. Supply with necessary casings, jambs, etc. and with weight boxes set up on canteen side.

This sliding sash will raise upward on the canteen side of the partition and are to be fitted with necessary hardware. Supply all necessary stops, chafing strips, etc.

MEDICINE CLOSET:

At the bath connected with custodian's room provide and apply medicine closet of the form and dimensions indicated. This will be set in the wall, fitted with movable shelves set on metal shelf pins and have proper casings, back lining and 1" door fitted with mirror, 16 x 20". See Glazing specifications. Apply all hardware.

MIRROR FRAMES:

The various mirrors provided over the basins in lavatories and as covered by listing in Glazing specifications, are to be supplied with mirror frames, rabbeted to receive the glass, put together with splines at the mitered corners and secured to the walls with round head n.p. screws.

TOILET ROOM PARTITIONS:

At the various main public lavatories the main walls will be faced with travertite or marble linings with travertite or marble partitions. This will include the men's toilet #1 in basement, and the toilets #4 and 5 in the first and second stories.

The carpenter shall provide at these various stalls, 1 1/4" panel doors of pine about 2'4" wide and 5'6" high, kept 8 1/2" above

the floor. Doors are to be hung on reverse spring single acting butts to hold door open and finished with indicator bolts all as specified in the Hardware clause.

The lavatory next to kitchen entry and toilet #2 in basement will have the toilet stalls constructed with 3 x 3 wood posts and 3 x 3 wood rail over top of same connecting to the main partitions of the building and with a foot rail and 1 1/2" panelling of pine, provided to fill in the space. Fit with the necessary mouldings and turn lower ends of posts to connect properly to floor; Provide suitable dowels into the concrete floor.

Door to correspond to the preceding specifications.

SCUTTLES:

Provide scuttle opening to reach grid floor as shown on plan.

Frame opening between grid space and the attic space over auditorium for door 2'6" x 6'0" and fit with proper frame and construct door of two thicknesses of T & G prepared for tin lining. After being lined by sheet metal man, doors to be properly hung with heavy hinges and with springs to hold same closed.

At head of stairs to fan room in the attic do such framing as necessary for scuttle shown on plans and apply proper curbing with a scuttle cover of T & G lumber, prepared for tin lining. Provide a neat dressed ladder to reach this scuttle from stair landing.

In the fan room provide metal lined doors of size indicated on plans to reach the various adjoining attic spaces. These doors to be built up as specified above for door from grid space to attic over auditorium

BOARD WALKS:

From the door between grid space and auditorium attic, extend board walks 2'3" wide made up of four 1 x 6 boards, kept 1" apart and run the full length of attic space over auditorium, with branch walks to the location of each ceiling outlet of auditorium.

FLAG POLE:

The contractor shall furnish and set where indicated on the roof, a 6 x 6" x 30'0" long flag pole for which he shall furnish and set a stud post 6 x 6 x 4'6" high above the roof, resting on a 4 x 10" plate 18" long, bolted to wood roof construction in the manner shown on drawings. The stud shall be anchored to the concrete coping wall and to a 6" channel built into concrete wall in the manner shown and shall be fastened to plate by means of 4 x 4" angles.

The flag pole shall be square in section at the lower end, changing to octagonal and then to round as directed and shall finish at top line with metal ball finished in gold leaf and with Bolander truck or pulley and equipped with 1/4" copper halyards.

The flag pole shall be secured to the stud at the top by means of a 5/16" x 2" collar bolted to the same and at the bottom by means of two 5/16" x 6" plates bolted to stud and flag pole, this latter bolt acting as a hinge for lowering the pole.

Apply carriage bolts in the bottom of pole to prevent splitting.

Waterproof in a satisfactory manner all parts where they come in contact with coping wall and roof.

TRUCK FOR SEATS:

The carpenter shall supply all materials and construct seven movable trucks or platforms to roll under the stage. These shall be

of proper width to hold the seats, be about 1'0 less in length than the depth of stage. Fit each with six James Co. 5 FC rubber tired truck wheels about 5" in diameter of the type to fit to the sides of the truck frames and properly bolted thereto. Truck frames to be of 2 x 4 dressed lumber on four sides. Board on under side with 1 x 4 T & G vertical #2 flooring, laid crosswise of frame, dressed side up and blind and top nailed to frames. Front end of trucks to have 3/4" rope sling attached to same for pulling trucks out from under stage.

QUALITY OF FINISH

All interior finish herein specified shall be of strictly #1 material, free from sap or stain or pitch pockets. It shall be from strictly kiln dried material. The contractor's guarantee shall apply to this for a period of one year and in the event of any shrinkage or cracking or splitting, shall be required to make good with new material or proper and complete repairs to the old, including any painting repairs necessary on account of shrinkage or replacement.

The wood finish throughout shall be of pine and shall be of vertical grain

HAND SMOOTHING:

All interior finish, including casings, mouldings, doors, base, panels, wainscot, etc. are to be handsmoothed, scraped and sand papered, very carefully put up without hammer marks or bruises with all nails set in for puttying. Machine smoothing will be accepted in lieu of the above hand smoothing on condition that the character of such shall be equal to hand smoothing and that the finished work will not show scratch marks or other defects but shall be equal to hand smoothed work.

STAIRS:

The main stairways in the building, from basement to second floor, will be of concrete and tile as specified elsewhere herein. The carpenter shall provide for the wood moulded hand railings to apply on the metal balustrades. They shall be of 3 x 3 oak carefully fitted, screwed to the metal rails and connected to the newel posts. In addition to this, there shall be a swing rail of similar oak provided 2 1/2" finished diameter, applied on the plastered walls and continuous from the foot to the head of each stairs with quarter round return connected to rosettes. Supply for the attachment of railings solid brass brackets of heavy character, securely applied and placed not over 5'0 apart.

The short flight of stairs from auditorium to stage floor level shall be built up with proper strings not over 2'0 apart, well secured and with 1" maple treads and 7/8" risers with proper nosings. All to be of vertical grain pine, all properly framed and glued. At stage provide rails to protect well hole opening using 4 x 4 dressed solid pine angle posts and 3 x 3 moulded rails and 2 x 2 dressed pine balusters and 2" grasp rails. This stair well to be lined with T & G wainscoting with proper base and cap from stage floor level down to auditorium level.

In addition to the above stairway provide all necessary material for the stairway from second floor to fan room in attic. This stair way to be constructed of vertical grain pine treads, 1 1/4" thick, with pine risers, all properly framed and glued and erected on substantial strings not over 2'6" apart. Provide with proper hand rails. Rails to protect well hole in similar manner as specified above for stairs to stage, in attic space. All rails to be securely fastened in place.

GATES:

The gates at front street line leading to the east and west courts shall be built up in the manner indicated on the drawings as hereinafter specified.

Gates to driveway to west court shall be constructed 2 1/2" in finished thickness of Oregon pine, all properly framed up, ~~maxima~~, glued, dowelled and with heavy solid moulded panels as shown on drawings. The gate leading to the east court to be of similar construction and thickness.

Gates shall be supplied with hanging jambs, secured to the concrete piers in a substantial manner and to be hung on heavy strap hinges, bolted through doors and finished with the necessary hardware under the Hardware specifications.

All hardware required for the building will be selected by the Board of Supervisors or the architect at any store they choose at a net cost of \$ 1400.00 to be paid by the contractor, or that amount deducted from his contract.

This price will include the delivery of the material at the job in Berkeley, where it shall be taken by the contractor, properly receipted for and applied in the building. This price is a net price and includes no commission or profit for the contractor.

It likewise includes no allowance for the setting, all of which must be added to the net price by the contractor to any extent he desires.

This price shall include all finishing hardware, including butts, locks, hinges, transom rods, coat and hat hooks, cabinet hardware, push plates, push bars, etc. and in general all finishing hardware but will not include any hardware for the metal sash nor any rough hardware, nails, screws, bolts, joist hangers, window weights, pulleys, cords, etc. which are to be furnished by the contractors.

All hardware that may be furnished under this hardware allowance to be set by the carpenter in a proper manner.

STEEL CASEMENT SASH & SCREENS

All windows and transoms excepting in the two stair halls, auditorium, stage and dressing rooms off stage which are of wood construction, shall be of solid steel construction as manufactured by the United States Metal Products Company of San Francisco, or of equivalent material, all sections to be of 1 3/8" deep with a minimum thickness of 1/8".

The transom sash in the first and second stories are to be of the awning type to swing out and the lower casement sash in all cases, excepting as hereinafter specified, are to be made in pairs for each opening, hinged at sides to open out. The exceptions referred to above are the windows in the two offices in the first story and the windows to the dining room, toilet and kitchen in the second story, which shall have awning type transoms as hereinbefore specified but single casement sash below, opening out. The three double windows in second story dining room over main entrance shall have panelled metal mullions formed in the manner shown of #24 ga. galv. iron, both inside and outside, all in accordance with full size details.

All steel used in the manufacture of these ~~sash~~ sash shall be copper bearing steel hot rolled medium, free from hammer marks and other imperfections.

Provide standard watershed at all transom bars and heads.

These windows will set in a rabbeted concrete construction, with separate steel angles fitting into proper grooves in the concrete, all in accordance with full size details, to be furnished or approved by the architect. Frames to be very carefully set and rigidly secured in place.

Casement windows to be fitted with bronze hinges and steel pins, three hinges to each sash in first story windows and two hinges to each sash in second story and with bronze handles and latches with bar connections where two throw handles are required.

Single or two throw handles shall be provided to suit the height of the respective sash.

Transoms to have bronze pole ring at top and bronze latch at bottom.

All puttying to be on the outside.

The basement sash shall be industrial steel sash hinged at bottom to swing in as manufactured by the United States Metal Products Company of San Francisco or equal, sizes as indicated on the plans. All sections to be of sizes indicated on Page 5 of the Metal Product Company's steel window catalog - complete with all hardware.

WINDOW SCREENS:

At the following locations provide on the outside of the steel window frames, Acme metal screens as manufactured by the Simpson Screen Company of Emeryville, California, or equal, hinged at top to swing out - hung on galv. hinges of the character permitting the unshipping of screens and secured at the bottom with double hooks and eyes.

These screens to be filled with copper bronze wire cloth of proper mesh.

Supply screens at the following locations:

All windows in kitchen #1, toilet #3, banquet hall, custodian's room and bath adjoining in the basement.

EXTERIOR CEMENTING

The contractor will be required to provide and apply all necessary material for the exterior cementing at the building under this contract and shall include all portions of the exterior wall surfaces, including plain walls, moulded sections, soffits, arches, jambs, fire walls, etc. and will extend inside the front vestibule areas as noted and include front stair buttresses and copings at sidewalk and piers at entrance gates.

This material shall be applied on all wall surfaces from 3" below the finished grade line to the top of the concrete walls, or to the cornice lines. In the case of flat roofs it shall extend over the top of the fire walls and down the inside of same and connect to the roof flashings. It will likewise be extended to connect to any cast cement work where indicated and applied in a neat and workmanlike manner. Cement similarly any exposed walls at areas and rear steps.

All such cementing on the concrete surfaces shall be performed with one part of Portland cement to two parts of clean, sharp uniformly screened sand and be properly mixed and applied.

All cement required for this work shall be furnished by the contractor and shall be of the same character as that specified elsewhere herein for concrete work and shall likewise pass the same tests as therein given.

All cementing on masonry walls to be finished about 1/2" thick and all surfaces to be well wet before applying the cementing to form a proper bond. Finish all cementing in true uniform planes and surfaces with straight lines and angles.

Upon completion of this trowel coat, apply a brush coat of colored grout and follow with a dash coat of Alhambra or equal stucco in color selected and with surface treated with trowel or otherwise to secure a special texture. See architect for further information.

The contractor shall guarantee the effectiveness of the bond between the dash and trowel coating. He shall likewise guarantee the effectiveness of this cementing with the concrete walls and to secure this shall thoroughly wet these walls before the application of the cementing and dash them with pure grout, followed immediately by the application of the trowel coating.

Cementing work shall connect properly to all window frames, door frames, cast cement work and be finished in a neat, workmanlike manner and made absolutely watertight. Jambs of windows, door openings, etc. with returns on same shall be carefully formed to include square corners and straight jambs.

The interior of the front entrance exterior vestibule is to be cemented corresponding to other work herein.

Brick chimney tops on the exterior of the building are to be formed as shown, cemented corresponding to other work herein

FRAMED CHIMNEY TOP:

The framed chimney top enclosing the patent flue will be constructed by the carpenter following which this contractor shall apply one thickness of building paper over the boarding, to be followed with a lathing of 2 1/2# galv. Armco herringbone lath, stapled to the walls with approved staples.

These lathed surfaces are then to be finished by the plasterer with two coats of cementing, the first coat to be made up of one part of Portland cement to two parts of clean, sharp sand, to which may be added 10% in volume of lime mortar. This is to be well mixed and applied properly, pressing the same thru the meshes of lathing. The second coat is to be made up of one part Portland cement, two parts of coarse sand well mixed and applied with a uniform body

to a true, smooth surface and trowel finished to a float finish. No lime mortar is to be used in this second coat.

Over this apply a colored grout and Alhambra stucco conforming to other work herein.

Connect this cementing carefully to the flashings at the roof line and to the metal decking of the chimney top.

FIRE WALLS:

Fire walls of the flat roof construction shall have the top and inside of the fire walls cemented 1/2" thick as above, with a single trowel coat and floated smooth. Brush coat of Alhambra stucco dash will not be required at these fire walls. Make a careful watertight connection to all reglets and flashings.

MOULDED WORK:

In addition to the plain cemented work over the exterior of the building, the contractor will be required to run all cement mouldings indicated including water tables, sill and belt course, and such copings and cornices as are marked to be in cement. Arrangements to be made by the concrete man for rough projections in his concrete walls to which the plasterer shall apply his moulded work which must be run in uniformly straight and careful lines with all corners and angles sharply made and finished in a neat and careful manner. All such projecting courses to have a proper undercut drip to each.

He shall also run the fluted pilasters on the front elevation with clean, sharp corners and angles, with uniformly straight lines and finished in a neat and careful manner. He shall pay very special attention to this work and only the very best workmanship will be acceptable.

PANEL WORK:

Under any windows where so indicated the plasterer shall provide for panel work in cement of the character shown with clean, sharply made corners and angles.

The plasterer will note that panels of this character will be required at the first story windows of the side wings, at entrance pilasters and in coping walls at two wings. Examine carefully the requirements of the plans so as to provide for all necessary panel work.

WINDOW SILLS:

All window sills, not otherwise provided for, are to be carefully cemented. They shall be formed of the size shown with proper projections and with careful undercut drip. Make returns back to building lines at each end of sill. Cement the tops of all sills with proper pitch as directed. This cementing at all windows must be made in a careful manner to provide a watertight connection under both the metal and wood sills by filling the entire space under these sills. This should be applied first from the outside of the frame, pressing well underneath and then be back plastered from the inside, filling the entire space solid to the inside of the wall.

ELASTIC CEMENT POINTING:

Before the application of cement around any wood or metal window or door frames in the exterior walls, the contractor for this work shall apply a pointing of Vita Plastic cement or other

elastic cement. This material shall be forced into the joints between the frame and masonry with a gun for the purpose. Apply similar pointing at any frames in cast cement work.

REMOVAL OF RUBBISH:

All rubbish and debris occasioned by the exterior cement work shall be promptly removed from the premises.

ORNAMENTAL CAST WORK

The ornamental cast work on the exterior walls of the building and at the interior of the entrance vestibule will be of cast cement of an approved character executed by a firm of proven ability. All work is to conform to full sized details and models; shall be of artistic character and submitted to the architect for approval. Corrections, if any, shall be made at the expense of the contractor and no work executed until such approval has been obtained. All cast work must be carefully set and anchored and any coring of rough concrete to permit a proper bond for cast work shall be provided. All material shall be straight and true and free from any wavy lines and imperfections. Any wavy lined pieces will be rejected.

This work shall be cast in color as selected by the architect the material to be of a uniform shade without marked variation.

All cast cement to be composed of one part cement to two parts of clean coarse sand, well graded and free from organic impurities. Sand shall be washed clean.

The above ingredients to be mixed in a machine mixer of approved type to a proper consistency. All castings to be solid throughout their entire body and no backing of gravel or sand will be allowed.

The material shall be properly cured by keeping damp for a week after the casting leaves the mould so as to assure proper hardening. Any material delivered at the job which shows fryable edges or in any other way shows defective workmanship will be rejected.

REINFORCING AND ANCHORS:

This contractor is referred to the concrete and miscellaneous iron specification and to the drawings for anchoring and any anchors necessary for the proper support of the cast cement work not supplied under the above mentioned specifications together with all reinforcing shown and necessary shall be supplied by this contractor.

SHOP DRAWINGS:

The contractor is referred to the general drawings of the building, particularly the structural drawings, for full information as to the construction and shall apply to the architect for any further information desired. Full size details of the various parts of the work will be furnished by the architect, but this contractor shall, before proceeding with the manufacture, prepare and submit to the architect for inspection all shop drawings and setting diagrams.

These drawings shall show all measurements and method of anchoring and shall identify each piece of cast cement and shall make jointing corresponding to that on the architect's drawings.

CUTTING AND FITTING:

All cast cement work shall be laid out at the factory and properly fitted and shall be numbered and marked to correspond with the numbers or marks on setting drawings.

The contractor shall furnish at the building a competent fitter supplied by the manufacturer to supervise the sorting, selecting and handling of the cast cement work.

DELIVERY:

All cast cement work shall be packed in a secure and careful manner and properly transported and delivered to the building site

and stored on the premises in such manner as to avoid damage.

Cast cement work shall be examined immediately upon delivery and any damaged pieces must be replaced without delay.

SETTING:

All cast cement work shall be carefully and accurately set in position with proper uniform jointing. Mortar used to be one part Portland cement of the quality specified in Concrete Work, to four parts of lime mortar.

All pieces are to be wired in place, using for all pieces which balance on the wall, at least two #3 round galv. wires, properly bent and secured to anchor bars.

At least two anchors of the above type shall be provided for each separate piece of cast cement except where the piece is unbalanced in the wall, at which places four such anchors will be required. Overhanging pieces hung from soffits or beams shall have heavier galv. anchors provided.

The cheneau section of the main cornice shall be very securely anchored in the manner indicated on the drawings.

POINTING:

All joints shall, when directed, be racked out to a depth of 1/2", carefully pointed with mortar, composed of one part clean, sharp white sand and colored with mortar stain to match the remaining work. This mortar shall be mixed as stiff as can be worked, packed and caulked in the joint and neatly pointed. Samples of colored mortar to be submitted for approval and a very accurate record kept of the proportion of coloring matter in order that this pointing may be of uniform color throughout.

BACKING:

It will be noted that provision is made in the coring of concrete walls to allow 1" to 1 1/2" back of the back line of cast cement to assist in placing anchors. After the various pieces in any one course have been blocked, bedded and wired in place, they shall be filled solid to the back line before the next course is set with a cement grout, using one part Portland cement to six parts of fine gravel and sand and this material poured and tamped solidly in place; care shall be exercised that the points are sufficiently pointed and packed so there will be no leak of grouting to stain the cast cement.

Where open slots or chases are left to receive the cast cement facing, the concrete wall is to be pointed up to the cast cement after the cast cement is set, and made flush with the face of concrete wall.

Any copings on fire walls, etc. must be carefully placed in true alignment and bedded in rich cement mortar with careful watertight raised joints formed. At any points where coping does not run in horizontal lines or where the ornamental section is such as to retain water, provision must be made that it will drain dry.

SHORING:

Any ~~xxxx~~ cast cement members projecting beyond the building line sufficiently that they will not stand without shoring, shall have proper wood supports provided and placed and this shoring shall not be removed until it is safe to do so.

All projecting members and all exposed corners of the cast cement must be protected with planks during construction.

All cast cement work on completion shall be carefully cleaned down and all defects pointed up. The work shall be done by skilled mechanics and care taken to remove all mortar stains, leaving all work in perfect condition.

SAMPLES:

Contractors bidding on this work shall submit with their bid a sample of the material they propose to furnish and same shall have the approval of the architect. The sample from the successful bidder shall remain on file in the architect's office and all work shall be in strict accordance thereto.

Contractors shall also submit with their bid a list of buildings on which they have furnished cast cement work.

RUBBISH:

All rubbish shall be removed from time to time as the work progresses.

LATHING, PLASTERING, ET CETERA

The general contractor shall include in his work, all labor and material necessary to fully complete all lathing, plastering, metal furrings, etc. in accordance with these specifications and with the requirements of the drawings and will include the necessary work at walls, partitions, ceilings, etc. throughout the basement, first and second stories.

CEILING FURRINGS:

The contractor will note that the construction of the two main stairs leading from basement to second floor are of concrete construction. The ceilings under these concrete stairs are to be properly finished with a suspended metal and plaster ceiling in accordance with the specifications herein.

CONSTRUCTION:

All of the ceilings above noted are to be prepared for by suspending 1" rolled steel carrying channels on each. There shall be one of these channels placed 6" from side walls and intermediate channels between the same at approximately 3'0" o.c. These carrying channels to be set parallel with walls and where any deep girders occur cutting thru the ceiling line or where there are changes in the levels of ceilings, an additional channel shall be erected sufficient to provide a proper support for all ceiling channels and furrings.

The contractor will note in the preceding specifications of concrete work, provision for wire ceiling hangers, the spacing of which conforms to the preceding requirements. These wires are specified to be about 3'0" apart, and shall be used by this subcontractor for the securing and hanging of carrying channels.

The plastering contractor shall give proper supervision to the placing of the wire hangers so they are provided properly for the carrying of his furrings. Wires specified are to be double and in attaching to the channels, the latter shall be inserted between the two strands of wire and each doubled twice around the channel and then twisted twice around the doubled hanger wire and clipped.

Channels must be set in true, level surfaces and the wire hangers drawn tight, using temporary struts as necessary to accomplish this.

All the preceding carrying channels to be extended out to a contact with the concrete walls and partitions. At joints they are to be lapped at least 6" if this lap occurs at a wire hanger and at least 12" if between hangers, and the joint wired together at two points on the lap and with a double twist of #16 galv. wire.

CEILING CHANNELS:

Following the application of carrying channels, all ceilings in the above listing are to be furred with 3/4" rolled steel channels 12" o.c. at right angles to the carrying channels and wired to the underside of same at each intersection with #16 galv. wire double wrapped and double twisted as directed. Extend ends of all channels out against concrete walls and joints of channels to be lapped and wired as directed.

In applying the channels at varying levels of ceiling, or any special conditions appertaining to the work, it must be observed that all structural conditions are cared for.

METAL FURRINGS:

In general, the furrings required for the work will be of wood, but at the location of the patent flue in the basement kitchen, the furring around same shall be of 3/4" rolled steel channels, extending full height, anchored to the concrete walls with proper wires and struts and prepared for metal lathing. Furrings to be not over 12" apart and properly braced.

WOOD FURRINGS, ETC:

For the remaining parts of the building, with the exception of such locations where furring is to be omitted, all portions of the ceilings, walls, etc. will be of wood furrings or wood studdings.

The floor and ceiling joists in general are 16" o.c. and where they are 2'0 o.c. the ceilings will be furred with 1 x 2 strips - 12" o.c. This occurs in the second floor ceilings of auditorium, lodge rooms #2 and 3 and halls #6, 7 and 8 and the ceiling of fan room in attic. Wood furrings on walls to be 16" o.c. Wood studdings in partitions will be 16" o.c.

DIRECT PLASTERED SURFACES:

Certain portions of the work herein have the plastering applied directly on the masonry walls, requiring no furring nor lathing. Locations will be as follows:

- Basement - All free standing concrete piers
- First story - Concrete exterior walls of stage
- Attic - Fan room

UNFINISHED SECTIONS:

At the boiler room, storage #1 and 2 and in unexcavated portion of east wing, the concrete walls will be left in the rough concrete without plastering. Wherever frame partitions occur in these spaces they shall be plastered as hereinafter specified. The boiler room ceiling will have double metal lath and plaster ceiling and the store rooms #1 and 2 will have plaster ceiling wherever there is wood ceiling construction above as hereinafter specified.

Ceiling of hotwater heater room to have double ceiling.

LATHING:

All framed walls, partitions and ceilings and all furred walls and ceilings throughout the basement, first and second stories of the building, as noted in the preceding specifications, will be of metal lath and plaster except where wood wainscot occurs. For a list of spaces where wood wainscoting is to be provided and the heights of same, the plasterer is referred to the preceding Carpenter's specifications.

All lath used to be 26 ga. painted herringbone lath, 2.5# per sq. yd. or an approved equal. Where applied on wood furrings or wood studding they shall be stapled or nailed at intervals of about 6" and with one intermediate lacing at the joints between studs or furrings.

Where applied on metal furrings, it shall be secured with #18 galv. wire lacings not over 6" apart, and the joints of lath lapped and laced together, one lacing between furring channels.

All lathing throughout the work shall be drawn tight carefully at all angles and corners. Lath shall extend from the floor to the ceiling in all cases, except at wood wainscot spaces where it shall terminate at the top line of the wainscot.

Where the lathing comes next to a wall or ceiling where the plaster is to be applied direct, the lathing to bend over against the masonry 1 1/2" as directed.

All lathing shall be applied on both sides of all partitions throughout.

The lather is to note the requirements for studding and furrings and provide all lathing necessary to inclose ducts, pipes, etc. and to form all beams, pilasters, recesses and other necessary construction and finish.

Where return jambs are required at windows or doors, as a part of the finish, eliminating the casings, the lath is to be fitted properly to form the rounded corners and return jambs and be secured properly to the window frames and door frames. Lathing in its connection to the framing to form a rigid joint and the edge of same be backed with suitable furrings continuously around the frame. Lather to see that this is provided for before proceeding

CORNER BEADS.

At all corners of furred pilasters and at all angles in partitions or columns or furred walls in all parts of the work, the contractor shall provide and set metal corner beads approved by the architect.

These shall be formed from heavy galv. iron perforated to permit plasterer to bond the same and shall be attached in true, straight lines and securely fastened to the lath and furrings with approved nails or wiring.

PLASTERING:

All lathed surfaces throughout the work are to be plastered with three coats as follows:

The first coat to be of Keene's cement mortar made up of one part of approved Keene's cement to four parts of well seasoned (10 days) lime putty. To one part of this mixture add three parts of clean sharp sand with a liberal amount of long cattle hair or fiber and mix thoroughly. Sand for this work shall be clean, sharp river sand. This mortar shall be carefully applied, well pressed thru the lath to form a good key and to be scratched in preparation for the brown coat.

Follow this scratch coat with a brown coat made up of one part of approved Keene's cement and four parts of well seasoned (10 days) lime putty. To one part of this mixture add four parts of clean, sharp sand and mix thoroughly. This brown coat is to be rodded straight and true and even and left with a proper surface to receive the final finish.

Finish all brown surfaces throughout with a hard finish coat made up of one part plaster of Paris to three parts of lime putty with a sufficient addition of water. Hard finish to be trowelled to a smooth surface, leaving on completion neither deficiencies or brush marks. A careful mechanical piece of work will be insisted upon to receive the painter's finish hereinafter specified. All angles shall be square, straight and clean. All jamb returns shall be at right angles and in alignment.

All plastering shall fill to 3/4" grounds, over all surfaces. Where plastering is to be applied directly on concrete or hollow tile walls, as previously listed herein, it shall be executed as two coat work. The first or brown coat to be made up similar to the scratch coat on the metal lath work and rodded straight and true. This coat is to be finished with a hard finish coat similar to that on the metal lath work. In direct plastered work before the application of the brown coat, wet the surfaces and dash same with cement and sand grout as a bond.

In general, the lathing and plastering will extend from the ceiling to the floor as previously specified but with the following exceptions.

Where wood wainscot occurs it shall terminate at the top of the wood wainscot in the usual manner. In public toilet rooms and lavatories where travertine or marble wainscot is specified, lathing shall extend to floor and no plastering to be provided behind the wainscot.

Where tile wainscot or tile lining of walls is provided for herein, the lathing shall extend behind the tile surface but no plastering required thereon.

In such rooms as are provided with Keene's cement wainscot and finished with a tile base, all plastering and lathing shall extend down and connect properly to the tile base.

The furred walls at proscenium will be lathed on both sides and shall extend from the proscenium opening up to the main roof forming a tight division in attic space. This shall be plastered on both sides; the portion below the ceiling to be in three coats while that part over the grid and over the auditorium ceiling to be in two coats.

BOILER ROOM CEILING:

The ceiling of the boiler room shall be finished as follows:
Lathing shall be applied on the bottom of the first floor joists and shall be of painted herringbone lath 26 ga. 2.5# per square yard, stapled to the joists every 6" and with an intermediate lacing between joists. Over this apply a brown coat of hard wall plaster conforming to other work herein, finishing to a thickness of 3/4". Following this the plasterer shall provide for driving heavy spikes into the joists at intervals of 12" and shall hang thereto 3/4" cold rolled channels carefully wired to the spikes and kept about 1/4" below the plastered ceiling previously specified. Ceiling of hot water heater room to be treated similarly.

Apply on these suspended channels a layer of painted herringbone lath conforming to the preceding and then finish same with a brown coat of hard wall plaster and a finishing coat of hard finish, carefully trowelled, finishing neatly against all walls.

KEENE'S CEMENT WAINSCOT:

At locations listed in the carpenter's department herein and noted on the drawings, provision shall be made by the carpenter with studding every 8" and carried to the height required. Over this the lathing heretofore specified shall be applied and properly nailed. Following this, the plasterer to apply the scratch and brown coats of Keene's cement mortar, rodding the same properly and shall then finish the wainscot surfaces with Keene's cement with a slight mixture of lime putty, trowelled carefully and all walls marked off in blocks to imitate tile. Blocks to be 6 x 6" and all linings of same to be run regular and true and with clean cut line. The proper height of the base in the respective rooms shall be secured from the carpenter or tile setter and all lining shall measure from the top line of this base and be regular and true up to the cap line.

QUALITY:

All plastering shall be finished free from buckles, blisters shrinkage cracks or broken keys. If any such defects occur, the contractor shall replaster as directed.

In the application of the material, the plasterer shall see that all openings are properly protected from extremes of temperatures, and he will be held strictly responsible for a thoroughly

first class perfect piece of work. Doors and windows must be put in place before plastering or the openings protected with muslin cloths and frames.

DEAFENING:

Certain partitions herein as listed below are to be deafened in the following manner. The carpenter will apply at each side of the studding at these partitions, 1 x 2 strips, and the plasterer shall apply wood lath between the studding and a heavy brown coat of mortar with proper clinch and key and floated reasonably smooth. This shall be applied before the application of the regular lathing so as to make provision for a double air space. Locations for these deafened walls are as follows:

West wall - bowling alley, basement

South wall - banquet room between banquet room and men's toilet only, basement

West wall - women's toilet, first story

East wall, women's rest room, first story

Walls and ceiling, telephone booth, first story

In addition to the above the ceiling of the bowling alley shall be sound proofed by the following method.

Apply metal lath and plaster ceiling as specified above for other work, finishing in scratch and brown coat only. After the ceiling is thus finished, the carpenter is to apply 1 x 2 strips on the ceiling 12" apart and a second coat of lath and plaster applied thereon to provide for a double air space and the sound deafening necessary. This second ceiling shall be finished with a hard finish coat as specified above for all other finished plastered surfaces.

ORNAMENTAL PLASTERING:

The plasterer will note the requirements of the drawings and details, indicating provisions for ornamental cornices, panels, pilasters, brackets, medallions, etc. throughout the interior and shall execute the same in the highest type of workmanship. He shall see that all preparatory work is made in the furrings and lathing to prepare for same.

All plastered cornices shall be of the form and detail noted on the scale details; shall be run in straight, true lines, with all angles and miters carefully formed and the finished surface to be free from waves or imperfections. All mouldings in connection with beams, panels, etc. shall be run of similar character. All decorative plaster in panels and cornices and beams, brackets, corbels, etc. as indicated on the drawings, are to be very carefully completed with a workmanlike finish. All decorative work to be of artistic detail and models of all decorative work submitted to the architect for approval.

Plaster vent screens must be carefully executed and properly reinforced to secure the necessary rigidity of same. All cast work to be executed by a firm of proven ability and to be of high artistic merit. Material used to be first class in every particular and all properly strengthened as necessary so that it may be properly handled.

The subcontractor for cast work shall cooperate with the plasterer and with the architect so that the necessary preparation in the furred walls and ceilings shall be provided of necessary size and depth.

In the application of cast plaster, all parts shall be very rigidly anchored in place and not depend entirely upon the plaster bond for same. Heavier pieces subject to a dislodgement shall be anchored with wire anchors or with screws as may be directed.

EXTENT OF DECORATIVE PLASTER WORK:

The contractor shall secure all information as to the extent of the decorative plaster from the scale drawings and details as supplemented by the following references thereto:

First story

Exterior vestibule - The ceiling of this vestibule will be of vaulted form with run plaster mouldings, executed in same finish as exterior cement work. (See specifications for Exterior Cementing Work for character of material to be used and type of finish.) Lathing for this vaulted ceiling to be of galv. metal lath.

Lobby and stair halls - The lobby will have vaulted ceiling with plaster beams as shown and with ornamental panels at intersections of walls and ceiling and the stair halls shall have run plaster cornice. Finish with recess for radiators and hose racks where shown.

Men's club room - Run plaster cornices and ornamental plaster vent screens.

Lodge room #1 - Run plaster cornices, ornamental plaster vent screens.

Auditorium - Finish with ornamental plaster cornice, coffer ceiling with ornamental vent grilles, pier caps and proscenium opening all as shown. Ornamental plaster ceiling vents over balcony.

Second story

Lodge rooms 2 and 3 - Run plaster cornices, ornamental plaster vent screens and in lodge room #3 ornamental plaster motifs at head of room as shown.

Dining room - Run plaster cornice and ornamental plaster ceiling vents.

CLEANING:

All plasterer's rubbish and debris shall be removed from the premises promptly during the progress of the work and on completion the floors shall be left broom cleaned and all splatterings on glass cleaned off carefully without scratching the glass. Also, clean any splatterings on other finish.

COMPOSITION WORK

At the custodian's shower in the basement, the floor and walls up to a height of 7'0 shall be covered with Fibrestone or other approved magnesite composition material of color as selected by the architect.

At the floor this material to be applied on the concrete direct, but on the walls this shall be applied to the frame partitions and furring as hereafter specified.

These partitions will be sheathed solid as specified under the Carpenter department on which this contractor shall apply 1 1/2" galv. iron mesh. Over this mesh apply the material specified above in 2 coats, 3/8" thick. The finished coating to be colored as directed and spread uniformly and trowelled to a smooth polished surface impervious to moisture.

The first coat, in addition to its bond to the wire netting, shall be nailed to the boarding with 7/8" flat head wire galv. nails approximately 4" o.c. in each direction and at the completion of the work when directed by the architect, all surfaces must be oiled and cleaned in a careful manner.

The floor is to be laid over the rough concrete slab as specified above, applied in two coats 3/4" thick and finished similarly to the wall material.

The raised sill leading to shower compartment shall be covered with similar material.

Make neat connection to sill and walls forming cove at intersection of these surfaces and make a neat connection at floor drain, pitching the floor to this drain.

If a substitute for the Fibrestone specified be offered by the contractor, such substitute shall be submitted for approval, a sample being prepared of the finished work before application of the material to be offered.

The subcontractor for this work shall furnish and deliver to the general contractor a guarantee of his work, covering a period of three years. This guarantee shall be endorsed by the general contractor, delivered to the architect on or before the final completion and acceptance of the work.

Under this guarantee, the contractor and subcontractor shall maintain and repair these floors at their own expense during this period, ordinary wear and tear excepted.

Under this item the contractor shall include all sheet metal work of every description and kind required on the exterior of the building for the full completion thereof, complying in every respect to the requirements of these specifications and the accompanying plans. This will include all exterior metal work such as conductors, flashings, counterflashings, etc. but will not include the ventilating duct work indicated on the plans for which see Heating department.

For flashings and counterflashings of felt and gravel roof, see Roofing department.

CONDUCTORS:

The sheet metal man will be required to furnish and erect all conductors necessary to carry away the water from roofs and decks except where they may be provided herein to be put in by the plumber. In general, all exterior conductors will be put in by the sheet metalman and all interior conductors by the plumber.

All exterior conductors brought down to the ground line will have a section of cast iron pipe put in by the plumber to the height of water table above the ground to which the sheet metal man shall connect the sheet metal conductors, properly cementing same in place.

The sheet metal man shall refer to the drawings for the size of all conductors herein required all of which shall be built of #24 ga. galv. iron tubular in form unless otherwise specified, with large open box heads protected with netting. All conductors to be secured to the sides of the building with heavy metal strap bands of approved character, one at each end and at intervals not to exceed 10'0" apart.

The water from the fan room roof will be carried down in exterior conductors in conformity with the preceding specifications and will discharge on baffle plates on the main roof.

Sheet metal conductors will be required at the following locations:

- One each on rear walls of east and west wings
- One each at stair wings
- One each on east and west walls of auditorium
- Two from attic roof to auditorium roof.

METAL COVERED DOOR:

The one single door at boiler room in the basement and one single small door between grid floor of stage and attic space over auditorium will have the wood frames and wood doors furnished by the carpenter.

The sheet metal man is to line all parts of the doors with #24 ga. galv. Armco iron, properly secured to the doors in an approved manner. Finish all edges of doors in a secure manner with heavy sheet metal drawn channel strips and prepare all parts for hardware. Carpenter will hang doors and apply the necessary hardware, for which see Carpenter specifications.

Treat similarly door to hotwater heater room.

ROOF VENTS:

At the points indicated on roof plan, the contractor shall provide and set all material for the roof vents. They shall be constructed of No. 24 galv. iron 18" dia. flanged to rest on the roof boarding and extending to the height indicated.

Holds over top of same to be cone shaped with metal aprons 12" deep and with overhanging flanges as shown protected with 1/2" mesh galv. netting.

Hoods to be supported above the duct by metal brackets securely riveted.

The projection of the hood shall be sufficient that the area of the openings in flanges shall be equivalent to the area of the duct itself.

DUCTS:

The various vent ducts connected with the heating system will be furnished under the Heating department.

SCUTTLE:

The scuttle in the roof over fan room section is to be lined with re-dipped tin or galv. Armcoc iron in a careful manner and properly nailed and soldered.

CHIMNEY DECK:

At the location of the patent flue at rear wall of stage, provision is made in the Carpenter department for constructing proper boxing and boarding and decking around the patent flues, for plaster finish. The sheet metal man is to provide a 24 ga. galv. Armcoc iron decking over the chimney enclosure with moulded section at the outer edges, properly applied to receive the cementing.

All parts to be carefully fitted and properly perforated in the deck for the patent flue and made watertight in all parts.

PROJECTING ROOM LINING:

The projecting room in the auditorium balcony will be constructed of frame. All boarded surfaces on walls and ceilings and floor are to be lined by the sheet metal man with #26 ga. galv. iron. Joints and seams shall be locked and nailed and finished in a careful and workmanlike manner. Use small sheets as required by Building Ordinances.

The inside of the entrance door to this room shall be similarly lined and with wall lining to extend on all jambs. Edge of door to be slightly rabbeted and the metal turned at right angles thereon and be closely nailed with galv. nails.

At the front of the room, at position directed or indicated a panel shall be formed, fitted in the masonry opening, with angle iron framing connected to the cement and plaster finish of auditorium and to the interior metal finish and filled in with 1/8" sheet steel filling with openings for the projecting machine and for sight holes. These openings to be protected with sliding shutters running in guides and opened by means of pulleys and cotton cords as directed.

SKYLIGHT:

At the location shown over attic space, the contractor shall furnish and set a #24 ga. galv. iron skylight frames and sash bars with drip for condensation. Fit all parts carefully to the wood construction and flash to the roofing material. Provide proper caps over the bars to protect the putty joints. Rivet and solder all parts carefully. Form ventilating ridges as directed.

FELT AND GRAVEL ROOFING

The general contractor shall include in his work the necessary felt and gravel roofing required for covering the various roofs and decks when so indicated on the plans. These roofs shall be laid in the very best manner with 5-ply felt and gravel roof to conform with the following requirements.

The lower ply next to the roof boards shall be a dry sheet of saturated roofing felt and the three succeeding layers of similar felt, 32" wide, to be laid to comply with the pitch of the roof, shingle fashion, 10" exposed, each ply being solidly cemented to the preceding layer with hot asphaltum over its entire width and to turn up against the fire walls and curbs, etc. 6". If 36" felt be used, it may be laid with 11" exposed.

There shall then be inserted standing flashings of #30 galv. iron, against all fire walls, curbs, skylight, etc. and cemented in place with hot asphaltum. This flashing shall extend 2" on the floor of the roof and 4" on the wall and must be formed in a brake to fit the respective angles lying flat against the wall and on the roofs.

In addition to the mop coat for securing in place, it shall be held with a reinforced strip of flax felt extending from 6" to 10" on the wall surface and on the floor of the roof 8".

All roofs and decks shall then be finished with a cap sheet of felt solidly cemented to the preceding layers and extending close up in all angles and lapped 2" on all edges. All felt roofs shall then be freely flooded with a heavy mop coat of hot asphaltum in which, while hot, shall be embedded clean, dry uniformly screened gravel to conform to the building ordinances.

Provide all felt and gravel roofs with the necessary #24 ga. galv. Armco iron counterflashings, as required to render the work water tight and as directed.

All felt shall be of asphalt saturated wool felt, weighing not less than 14 1/2# to 100 sq. ft.

Asphaltum used shall be "Petrolastic" of the Paraffine Co.'s manufacture, or an approved equal, having a penetration of between 25 and 35.

Roofs confined by fire walls shall pitch to the outlets indicated and unless otherwise provided for, shall have #24 galv. Armco iron outlet boxes provided, cemented in place and properly connected to the down spouts and finished watertight. Supply two similar outlet boxes in ~~xxxx~~ attic deck.

At the roof outlets, the roofing and flashings are to extend 10" high above the roof surface and shall run level until they intersect with 6" flashings above specified. At all such outlets an overflow shall be arranged through the concrete walls, properly lined and made watertight. All outlets to have galv. wire boxed screens, 1/2" mesh, and standing 4" above the floor of the roof. Flash in all pipes of every description where they pass through the roof.

Counterflashings must be provided to extend into the concrete walls at least 3/4" and shall be arranged with a double flange, set so that the horizontal lip will be slightly bevelled to let the water run out.

Counterflashings to be secured with concrete nails or with lead wedges, caulked in place to provide for an absolutely secure fastening.

All flashing and counterflashings to be soldered at the joints in a careful manner and counterflashing to extend down to a contact with roof surfaces.

After application of counterflashings, all raglets and joints above the counterflashings to be packed in solid with one part cement to one part sand.

A thoroughly high class piece of roofing work will be insisted upon and none but careful workmen shall be employed to do the work, The general contractor and the roofing contractor shall jointly guarantee the above roofing work for a period of ten years and keep the work in proper repair for that period, not including any unreasonable abuse of said roof. See general conditions.

The general contractor shall supply and set all natural and artificial marble required to properly complete the work to the full intent and meaning of the drawings and specifications.

DOOR SILLS:

Supply and set sills and risers for main entrance doors at front vestibule steps. These are to be of gray Tennessee marble. Sills to be 2" thick, risers 1" thick, to be properly moulded and rubbed and honed. To be fitted to the openings and carefully set in cement mortar. Cleaned down on completion.

The steps in men's toilet in basement to be 1 1/2" thick of gray Tennessee marble rubbed finish. Risers 7/8" thick of similar marble.

TOILET MARBLE:

All wainscot and stall partitions at the following locations are to be executed in an approved Travertite, Terrazzo or other artificial marble product conforming to the specifications herein. Locations of this work will be as follows:

Men's toilet # 1 - basement
Women's toilet #4 - first story
Toilet #5 - second story

SAMPLES:

The contractor shall submit with his bid a sample of the material he proposes furnishing under these specifications. If desired, these samples may be filed at the architect's office in advance of the opening of bids but in this case it shall be submitted to the architect at least one week before the date set for opening of bids. Any samples not submitted up to that time may be submitted with the bid at the Hall of Records.

In submitting these samples the manufacturer of same shall submit with it a list of buildings in which they have installed similar materials.

CHARACTER OF MARBLE:

Artificial marble or terrazzo or travertite shall be uniform in quality, free from cracks, flaws, spalls, blow holes or other defects and shall be strictly in accordance with the sample submitted. Larger samples to indicate to a certainty the character of work to be supplied will be required before the work is started. All slabs must be cast full thickness and all artificial marble must be reinforced in both directions with approved metal wire or fabric.

All material for this work shall be manufactured of an approved high grade cement, mixed with graded marble chips, marble dust or travertine and shall be non-absorbent and not readily affected by washing compounds or other liquids. The completed materials shall be a hard admixture capable of being rubbed and polished equal to natural marble.

All work herein shall have all joints finally rubbed straight and true. All surfaces of wainscots, wall linings and fireplace facing shall be carefully rubbed and finished with a high gloss polish. No artificial means shall be used to create a polished surface but it shall be done wholly by rubbing and polishing.

All surfaces to be perfect and uniform in texture and polish. All material shall be handled with extreme care so as to avoid chipping or notching of edges or corners or defacing surfaces. Any injured work to be replaced.

All material shall be placed by careful mechanics and be securely

anchored and held in place with brass or copper clamps, screws, dowels or wires, thoroughly steadied with plaster of paris. On completion of this marble work all joints shall be pointed up and surfaces requiring same shall be repolished. On completion of the work, thoroughly clean all marble work and leave same in perfect condition.

All rubbish and debris to be promptly removed from the premises.

EXTENT OF WORK:

The locations and extent of work shall be secured from the accompanying plans and all conditions relative to the work secured from the drawings.

REQUIREMENTS:

The toilet rooms in the basement, first and second story, as listed heretofore, will have all walls in these respective rooms lined with artificial marble as herein specified to a height of 6'0 and shall be 1" thick and set so that the face of same will be 1/2" inside the face of the plastering, excepting where set out to form pockets for plumbing work and piping. All floors in these toilet rooms will be of tile, fitting against the wall linings and shall extend sufficiently below the finished line to make a proper joint.

The outer partitions of all stalls, that is those which are not attached as a wainscot to the main walls of the room, will likewise extend from the floor to a height of 6'0 and shall be 1 1/4" thick and polished on both faces and on all exposed edges.

Where two or more toilet stalls adjoin the division between stalls shall be 1 1/4" thick, double faced and polished and kept 10" above the floor and the top of same 6'0 from floor.

In all cases where the external 1 1/4" marble partitions or the 1 1/4" divisions connect to wall wainscoting, the wall material is to be slotted to receive the 1 1/4" material.

All marble stalls, stall divisions, linings, etc. must be properly drilled to receive the metal work. Metal work will consist of brass angle clips at all intersections as hereinafter specified. Drilling for the hardware of doors, also the drilling and furnishing of the necessary tubing and standards over the tops of partitions.

The marble man shall likewise drill the slabs as necessary for applying any coat and hat hooks and for applying paper holders in the toilet stalls. He shall likewise provide any necessary penetrations for the plumbing work, all of which shall be ascertained at the building and in the absence of complete information therein he shall apply to the architect for the necessary instructions.

Where marble linings are set away from the face of the wall as heretofore noted, proper capping shall be provided over the top of the same to close the space.

WINDOW TRIM:

Where windows occur in the toilet room spaces, proper returns shall be made at the jambs and sills and connections neatly formed with the wood material of window frames. At the doors a suitable plinth shall be extended at each side of the doors or the marble linings finished with polished edges and set in a rabbet properly formed in the jambs.

STALL FITTINGS:

The contractor for this department shall include all necessary

brass fittings in connection with toilet and toilet stalls, in the various toilet rooms listed. They shall be of the character herein specified and all marble work shall be drilled properly, fitted for same in a proper workmanlike manner.

All metal work shall be of cast or drawn brass as noted herein carefully ground and polished and heavily n.p. equal to the catalog references taken from the catalog of M. Greenberg & Sons, 1924.

No legs will be required for any of the stall work herein, but marble stalls shall extend to floor in all cases except where two water closet stalls adjoin, in which case the stall divisions shall be kept 10" above floor and have suitable brass brackets to support front end of division next to stall front.

The internal angles of all marble stalls shall be secured with n.p. brass angle clamps, 2 x 2 x 1 3/8" as per cut # 402, equipped with 4" n.p. brass screws with hexagon cap heads and nuts. Each and every angle of these stalls shall be supplied with three angle clamps, one at the bottom; one at the top and one between, excepting the intersection of the 1 1/4" stall divisions with the wall lining may be secured with two clamps at each side.

Top standards and tubing shall be supplied at all stall work throughout. Tubing to be 1 1/4" O.D. n.p. brass or suitable brass of heavy gauge approved by the architect. Fit tubing with approved railing balls to suit the respective positions, all of n.p. brass. Standards to be of the character indicated on plates 431 and 435, inclusive, as necessary to fit the respective conditions at the building. Supply the necessary bolts and nuts in accordance with preceding specifications.

Tubing shall be extended over all outer lines of stall partitions as necessary to thoroughly tie the work in place and secure proper stability and strength.

At connection to walls, supply #511 n.p. brass wall flanges and secure to partitions with the necessary screws. Marble man to see that the proper wood bridging is placed in the stud partitions before plastering is done. Standards shall be supplied in all outstanding corners, at intersection of stall division at front, at sides of door openings where not otherwise secured and where necessary to provide proper stability in the work.

TILING

The general contractor will be required to include in his work all wall and floor tiling required for the building in the various portions where indicated on the plan and in accordance with these specifications.

CERAMIC FLOOR TILING:

Custodian's bath room (excepting shower which is of magnesite)
Men's toilet room # 1 - basement
Toilet #2 - basement
Women's toilet #4 - first story
Canteen - first story
Toilet #5 - second story

At all the above locations in the building where tile occurs on wood floors, these floors will be prepared by the carpenter by depressing the boarding and chamfering the upper edge of floor joists. Over these areas the tile man shall apply a layer of heavy chicken netting bent down between the joists and over this shall prepare for a tile floor by applying about 2 1/2" of rough 1 - 8 concrete properly tamped in place and floated off to a rough surface. Concrete to be of the same character as specified in the Concrete specifications and with material as therein required. This rough concrete shall be kept depressed below the finished floor line sufficiently to receive the tile floor and its bed.

Except where artificial marble wainscot is provided at the walls as heretofore specified, the contractor shall apply at all wall surfaces, white encaustic tile cove base, 6 x 6, equal to #805 and connected to Keene's cement wainscot specified under the heading of Plastering.

All floor areas in the room spaces previously listed are then to be finished by the contractor with a vitreous tile floor, using 3/4" square ceramic tiles or hexagon tiles of a grade known as "Select" and with a selected border and tile dots of harmonizing color.

The tile base as above specified will be required at the custodian's bath room and toilet #2 in the basement. All other toilet spaces excepting toilet #3 in basement which has cement floor, will be finished with artificial marble wainscot against which the floor tile shall be carefully connected.

All ceramic floor tiles must be laid in a careful, true plane, joints made uniform, filled solid with cement pointing mortar, and on final completion cleaned off with acid and all defects carefully repaired.

PROMENADE FLOOR TILE:

At the following locations, the floors are to be laid with Gladding McBean & Co's Promenade floor tile or equal in such color as selected and of pattern designated on the drawings.

First story:

Lobby - Stairhalls #4 and 5, including stair landings 1 and 2

At the following locations provide and set a 6" tile border of the same material as specified for floors.

Basement:

Stair halls # 1 and 2.

A similar promenade tile shall be provided and set at all treads and landings of the two main stairways from basement to second floor. Also, fill triangular spaces between risers and treads at side walls and curb with similar tile surmounting same with a 2" glazed tile as hereinafter specified. (See drawings)

This material is to be carefully laid with natural color cement joints, jointing of uniform width and any defective or badly warped tiles to be discarded. The base shall be applied in careful, trim, straight lines and make all jointing to correspond to floor work. All parts to be carefully cleaned on completion

The hearth of fireplace in men's club room on first story is to be laid with similar promenade tile of selected design.

GLAZED TILE:

As hereinbefore noted, the triangular promenade tile base at stairwalls and side of curbs shall be surmounted with a 2" glazed tile.

In addition to the above provide a 8" glazed tile base at all walls and piers of the main lobby and corridors and stairhalls # 4 & 5 in the first story, all stairlandings between basement and second floor and at basement stairhalls #1 and 2. For this base and the 2" glazed tile mentioned above, the contractor shall use a combination of S & S (Solon & Schemmel, of San Jose) decorative tile, the 8" base being made up of two members, the top one of which will be the same used as above mentioned in connection with the promenade tile.

The top of all staircurbs between basement and second floor shall also be supplied with a similar glazed tile. (See drawing)

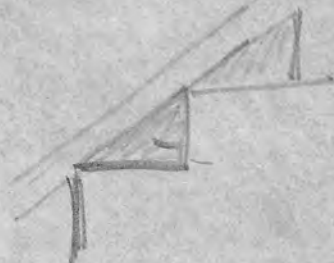
This material shall be very carefully applied, with careful pointed joints in color as directed, securely anchored or bonded to the lathed walls and finishing in a neat and workmanlike character. All corners shall be carefully formed, all returns made as necessary and all special conditions of the work met and finished to the architect's satisfaction.

SINK TILING:

At the sinks, drainboards and counter tops, at canteen in the first story and at the kitchen #2 in second story, the tile setter shall provide and apply ceramic floor tile with nosing and other finish as necessary. He shall prepare for this by applying suitable metal lath and cement bed and then finishing tile in a workmanlike, careful manner over same. Make a neat watertight connection to sink rims and extend tile capping along front of sinks and on all available counter space, adjacent to sink.

On the walls back of these tile spaces, together with any end returns, furnish and apply 3 x 6 encaustic white wall tiling applied over the metal lath surface, carefully finished with neat straight, true joints and all joints pointed in white cement.

This tile backing to extend to a height of 2'0 above the drain board line unless conditions prevent. And at the top line introduce two 1/2" lines of beaded colored tile as finish, over which supply a 2 x 6" cap tile as selected by the architect. At any end returns, if not connecting to adjacent finish, turn tile down at ends with proper miters.



WINDOW SHADES

The contractor will be required to furnish and set window shades at all window openings throughout the building except as noted herein. All shades used to be of split quality, heavy hand painted, oil opaque, single color, as may be selected by the architect. All to be mounted on Hartshorn or equal rollers of the most approved make, not less than 1 1/4" in diameter, complete with all fixtures. All brackets to be fastened with screws. All shades to be furnished with 1 1/4" slats. Mullion windows to have two shades corresponding to other windows. Any transoms over windows to have separate shades, hung at the bottom to roll up.

All shades to be furnished with the necessary pulleys with #84 cod line. All to be fully 12" longer than openings after they are pulled out full length and all to lap at least 2" at either side of the casing. All work to be done subject to the approval of the architect.

Under the preceding requirements, shades are to be supplied at all windows except as follows:

Basement

Boiler room, storage #2, men's toilet #1, toilets #2, custodian's bath, toilet #4, kitchen and pantry

First story

Stair halls.

All shades in lodge rooms are to be hung at the bottom and provided with proper pulleys and cords to pull up.. All other shades throughout to hang at the top and pull down.

The auditorium windows shall be supplied with two single shades to each opening, separated by a mullion. These shades to be of light proof quality. They will be supplied by this contractor with metal channels at sides, mullions and bottom of openings, lapping the frame and with an ornamental metal hood over the wall at top, all of such character as will effectually exclude all light when shades are drawn. Metal channels to fasten on the face of the casings in a careful manner; all shades to roll from the top down.

All windows on stage shall likewise have light proof shades of similar character.

LIGHTING FIXTURES

Lighting fixtures will not be included in this contract. They will be let as a separate contract at a later date.

The contractor will be required to furnish and apply throughout the building at the locations herein specified and where shown on the drawings, a linoleum floor covering of the respective type and quality herein noted. These will be as follows:

3/16" PLAIN BROWN BATTLESHIP LINOLEUM:

Basement - Banquet room
First floor - Offices #1 and 2, check rooms #1 and 2, telephone booth and serving counter top of canteen.

3/16" JASPE LINOLEUM WITH BATTLESHIP LINOLEUM BORDER:

First story - Ante room #1
Second story - Ante rooms #2 and 3, dining room, halls #6, 7 and 8

INLAID LINOLEUM:

Second story - Kitchen #2

The preparatory floors over which this linoleum shall be laid are of wood, excepting at the banquet room in basement which will be of concrete. Basement concrete floors are made double with water proofing membrane. All cement floors are brought to the proper level and with a cement finish, smoothly trowelled. See preceding specifications on Concrete Work.

As a preparation for the laying of the linoleum heretofore specified, the contractor shall furnish unsaturated building felt of matted fibrous texture, weighing 1 1/2 pounds to the square yard. This will be applied over the entire area of all floors, where floor covering occurs and will be secured to the wood or concrete with an approved linoleum paste. Over this the linoleum shall be applied, using an approved brand of waterproof linoleum cement, applied 4" wide on all seams and edges and linoleum paste for the remaining surfaces.

In the application of the felt material, the contractor shall apply paste to the floor surface as well as to the felt, and shall use a heavy roller approved by the architect, to insure a close and permanent contact to the floor.

Edges of felt must be butted carefully so as to leave no ridges under the linoleum. Not less than 24 hours shall elapse after the felt has been pasted before the linoleum shall be laid.

The seams in all plain brown linoleum and Jaspe linoleum shall be made tight by lapping the edges approximately 1/2" at the time of pasting and later cutting through both the thicknesses with a sharp knife.

All seams, edges and joints shall be weighted down with press bricks, sand bags or other suitable weights for not less than 24 hours.

Any cement smeared on the face of the linoleum to be cleaned off at once with alcohol.

All battleship linoleum listed above shall be of an approved brand not less than 3/16" in thickness and plain brown in color as selected. All Jaspe linoleum shall be 3/16" thick, and equal to Armstrong's Jaspe linoleum, plain brown color as selected. Where Jaspe linoleum is used it shall be laid in conjunction with plain brown battleship border, using 3/16" material, similar to that specified in other portions of the work.

The inlaid linoleum for the kitchen #2 in second floor shall be of tile pattern as selected and not less than 1/8" thickness. Border for Jaspe linoleum rooms shall be of a width as selected and about 1/8 of the minimum width of rooms.

All linoleum material to be thoroughly first class in every respect, and the best quality of workmanship.

At the completion of the linoleum work herein specified, it shall be carefully cleaned with soap and water and rinsed and dried. Following this it shall have two coats of Armstrong's or Blue Star Wizard wax, rubbed in thoroughly with power brushes. Each application shall be made separate and independent of the other and sufficient time elapsed between the two coats to get the full benefit of the coating. Wax shall be applied liberally giving the linoleum all it will possibly take, in each coating; the final results to be an outstanding polish on the surface of the linoleum, uniform in gloss and body and without brush marks or polisher marks showing.

PAINTING

The contractor shall include in this department, all necessary painting, staining, shellacing, varnishing, enamelling, tinting, etc. required for the full completion of the work herein to the full intent and meaning of these specifications. He shall ascertain by careful examination of the drawings and reference to other departments of these specifications as to the extent and location of materials to be furnished by the painter.

It is the intention that all exposed dressed wood work of every description and character, all metal work and unfinished plumbing fixtures, exposed plumbing pipes in finished portions, plastering, etc. are to be treated by the painter unless otherwise provided for herein.

In the absence of any definite specifications herein as to any particular portion of the work, the contractor shall paint the same with equivalent material to other corresponding work, but in no event less than the equivalent of three coats of lead and oil paint.

DEFINITION OF MATERIALS:Lead and Oil:

Where, in these specifications, material is required to be painted with lead and oil paint, or simply specified to be painted, it is to be understood that the material used by the painter shall be of lead and oil paint, composed of Pioneer, Selby, National or other equal approved white lead and pure boiled linseed oil, with an approved dryer as necessary. Unless otherwise specified herein, lead and oil paint where used shall be applied in three coats, and finished with uniform heavy body and color as directed.

Where this material is applied on galvanized iron, the preliminary priming coat shall be of Goheene's Galvanum, instead of lead and oil.

PRINCE'S METALLIC PAINT:

Where, in these specifications, Prince's metallic paint is specified on the metal work, it shall be made up of that material mixed with pure linseed oil and applied on all surfaces with proper body. Where used, two coats will be sufficient for all purposes and the preliminary priming coat to be of Goheen Mfg. Co.'s Galvanum paint, followed by the second coat of Prince's Metallic paint, as above specified.

NATURAL WOOD FINISH:

Where, in these specifications, the wood work is specified to be finished with a natural wood finish, the application shall be as follows:

For the pine finish, all such wood work is to be examined to see that it is in proper condition to receive the painter's finish. It shall then be finished with one coat of lead stain as directed by the architect and properly wiped, followed by one coat of shellac cut in alcohol and applied with good body and one coat of Standard Varnish Co.'s Elastica #2 varnish, followed by a final coat of Standard Varnish Co.'s Flattine cabinet finish, applied as it comes from the can undiluted, unless otherwise permitted.

All such finish must be properly sand papered between coats in a careful manner. The work, when complete, shall show of uniformly good body and uniform satin gloss. The shellac coat to be applied with sufficient body to fill all pores and avoid the final coats striking in.

The stain used above shall be an oil stain, mixed with pigment as directed by the architect and on being applied shall be wiped to give the effect desired.

ENAMEL PAINT:

Where, in these specifications, enamel paint is specified on wood or Keene's cement or plaster, the application shall be as follows:

All surfaces of wood shall be finished by the painter with one coat of white lead, two coats of undercoating, two coats of enamel. For plaster surfaces same as above but add a coat of sizing after the priming coat.

For this work the contractor shall use Pratt & Lambert's vitralite, Murphy Varnish Co's enamel, or W. P. Fuller Co's Silkenwhite enamel.

The undercoating shall be applied to secure a good body, finishing with solid color before the enamelling is applied, or the painter will be required to put on additional coats as necessary to accomplish this.

Sizing to be of white glue, applied hot and wiped off. Do all necessary sandpapering between coats. Apply the enamel carefully, brushing it out uniformly and finishing free from brush marks or overlaps.

TINTING:

Certain portions of the plastering work on the interior of the building shall be finished by the painter with the proper sizing and tinted in two coats of water colors in such colors as directed. This application will be generally on hard finish, but the painter shall refer to the plastering specifications for complete information in this respect.

Should any spots or burns occur in any portion of the work, the painter shall retint the same to a perfect job.

PAINTING ON PLASTERING:

Where in these specifications provision is made for interior painting on plastering, the work shall be executed by the painter with three coats of Frank L. Dunne Co's washable wall paint, or its equivalent in the judgment of the architect. Any necessary preparation on the plaster to receive this material shall be provided and the application shall be in three coats, stippling on the final two coats. Additional coats will be required if the painter fails to secure a proper covering finish with good body and uniform color.

PAINTING OF INTERIOR WOOD FINISH:

Where interior wood finish is specified to be of painted finish, the application shall be in four coats. The first two coats to be of lead and oil paint flatted and the third coat to be of oil paint with a partial addition of Vitralite of equal enamel and the fourth coat to be of pure enamel, conforming to the specifications for enamel paint work.

LEAD AND OIL PAINT REQUIREMENTS:

Under this heading the painter will be required to paint all exterior dressed wood work of every description and character in connection with the building. This will include all window frames, door frames, windows, doors, etc. except where constructed of oak.

Paint similarly any scuttle covers, ducts, metal chimney tops, ventilators and any exposed piping on the exterior. Also, paint similarly all cast and wrought iron and steel railings, balustrades, pipe rails, etc. Any exposed cast iron pipe in connection with the conductors to be treated by the painter with shellac and then painted as in the preceding case.

Paint all screens throughout the building in a similar manner.

The contractor will note in connection with the exterior painting that all exterior cementing of the walls, including that in the exterior vestibules will require no painting, the color being mixed as a part of the cement coating. The painter shall therefore protect with extreme care the smearing or damaging of this cemented work. In the event of such damage, he shall clean off same in some approved manner.

REQUIREMENTS OF PRINCE'S METALLIC PAINT:

Under the requirements for Prince's metallic paint, the painter shall apply that material on all exposed flashings, on all vents and flues over the roof line and at all scuttles and skylights.

REQUIREMENTS OF NATURAL WOOD FINISH:

All pine finish throughout the building, excepting in custodian's room, closet and bath, toilets #1 and 2, kitchen #1 and pantry, toilet #4 and kitchen stores in basement, women's toilet #4 on first floor and toilet #5 and kitchen #2 in second story and all janitor's closets, shall have the pine treated as specified under the specifications for natural wood finish. This will include all casings, sash, doors, base, wainscoting and other wood work throughout the interior.

REQUIREMENTS OF ENAMEL PAINTED WORK:

Under the specifications for enamel painted work in five coats, the painter shall finish all wood work excepting the toilet stall doors in all toilet rooms, bath rooms, janitor's closets, throughout the building.

Toilet stall doors are to be finished with natural wood finish as specified above for similar work.

REQUIREMENTS FOR PAINTING ON INTERIOR WOOD FINISH:

Under the requirements for four coats of paint on wood work, the contractor shall include all wood finish in the main kitchen #1 pantry and stores, custodian's room and closet in basement and kitchen #2 in second story.

In addition to the four coats of paint on wood work, the painter shall apply a similar four coat job on the following Keene's cement plastered surfaces.

Wainscoting at custodian's bath, toilet #2, toilet #4, kitchen and pantry in basement.

Kitchen #2 in second story and in janitor's closets throughout.

REQUIREMENTS OF PAINTING ON PLASTER:

Under the requirements of washable wall paint, stippled on plastering, perform the following work on plastered walls and ceilings.

Basement

Kitchen #1, pantry and store room, toilet #4 and toilets #1 and 2, janitor's closet, hanquet room, also corridors and stair halls.

First story

Lobby, halls, corridors and stairhalls, Anteroom #1, lodge room #1, women's rest room, men's club room, card room, canteen and auditorium, including balcony section.

Second story

All halls, corridors and stairhalls, ante rooms #2 and 3, lodge rooms #2 and 3 and dining room.

In the application of the paint on plastering it will be understood that in those rooms having enamel paint on Keene's cement wainscot, painting on the plastering applies to that portion above the wainscot rail.

In the application of this paint the architect shall select the coloring and will require two and three tones in the use of same.

In lobby, halls, corridors and stair halls, lodge room #1, women's rest room, men's club room and card room and auditorium, including balcony walls in the first story, in all halls, corridors stairhalls, lodge room #2 and 3, and balcony in second floor, a blended tiffany effect will be required in conjunction with this material as directed.

TINTING REQUIREMENTS:

Under the specifications for tinting, the painter will be required to tint all plastered walls and ceilings throughout the basement, first and second floors, not otherwise required herein.

STENCILS:

The painter will be required to prepare the necessary stencils and apply in various color effects proper stencil designs at the locations shown on the drawings which in general comprise the following:

First story lobby, corridors, stair halls, men's club room, auditorium and all lodge rooms.

The quantity and extent of stencil work is indicated on the accompanying drawings, to which the painter is referred. He shall submit to the architect the cut stencils for approval before proceeding with the work. In all cases he shall apply samples which shall be subject to correction or change as necessary.

MISCELLANEOUS REQUIREMENTS:

At the following portions of the building, the interior wood finish and metal finish is to be painted with three coats of lead and oil paint similar to that specified for the exterior of the building.

At all wood and metal sash, frames, doors, etc. at the rough unfinished sections of basement, also at the boiler room and storage spaces #1 and 2.

WOOD THRESHOLDS:

All wood thresholds to be stained and finished with two coats of shellac as directed. All pine or spruce shelving to be finished with two coats of shellac as directed.

Any shelving in enamel painted sections to be painted to correspond with the painted work.

HARD WOOD FLOORS:

The oak floors specified for the men's club room and card room

and women's rest room, trophy cases, etc. shall be finished by the painter in the following manner.

All wood work shall have one coat of filler and stain as selected, one coat of shellac; two coats of Johnson's floor wax, rubbed with heavy rushes to a dull polish. The floor wax shall be applied in sufficient liberal quantity that the results on the two coats will be a heavy body of wax with a dull finish.

Maple floors in auditorium and stage and dressing rooms and lodge room #3 to be finished as follows:

Apply one thin coat white shellac, followed by one coat Standard Varnish Co's white polishing varnish. This shall then be followed by two coats approved wax and polished.

Before the work is actually executed, the painter shall apply to the architect in case it be desired to modify the above maple floor finish in any way.

The pine floor in the custodian's room to be finished by the painter with a coat of stain, a coat of shellac, and two coats of wax rubbed as in the case of the hardwood floors.

FINISH OF OAK DOORS:

All oak work at entrance doors and frames, transoms, etc. where heretofore specified shall be finished with one coat of stain and filler, one coat of shellac and three coats of Elastica #2 varnish. These coats to be properly rubbed and finished to a dull egg shell polish. Quality of rubbing to be equivalent to that specified for piney finish.

DRAWERS, ETC:

The interior of all cases, drawers, etc. to be finished with one coat of stain and two coats of shellac.

WOOD RAILS:

The wood hand rails at the stairways from basement to second floor to be finished with one coat of stain, one coat of shellac, two coats of Elastica #2 varnish, sandpapered between coats and rubbed on the final coat to a polish.

COUNTERSHELF FINISH:

The countershelves at check rooms, canteen, serving tables, in main kitchen #1 and at any other points in the building, shall be finished by the painter with a coat of stain, a coat of shellac and two coats of Valspar, rubbed to a dull polish.

EXTERIOR METAL FRAMES:

The steel frames and sash where they occur in the building, together with the metal covered doors, etc. are to be finished by the painter with three coats of lead and oil paint, corresponding to other work herein. The interior of the steel sash wherever they occur are to be painted with three coats of lead and oil paint as directed.

STAIRWAYS:

The main stairways are to have all iron and steel work in conjunction with balusters, newels, etc. painted three coats of lead and oil paint as directed and glazed. Treat similarly the metal railings in balcony.